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नई दिल्ली, शनिवार, अगस्त 20, 1983 (श्रावण 29, 1905)

No. 34]

NEW DELHI, SATURDAY, AUGUST 20, 1983 (SRAVANA 29, 1905)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके। [Separate paging is given to this Part in order that it may be filed as a separate compilation]

माग 111-खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और रिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 20th August 1983

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CORRIGENDUM

In the Gazette of India Part III, Section 2 dated the 4th June 1983 under the heading "PATENTS SEALED" delete 150144.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

14th July 1983

874/Cal/83. Erharwt+Leimer GmbH. A system for identi-, fying good lengths like fabrics, knited goods, fleece and such materials.

875/Cal/83. DeVlieg Machine Company. Precision adjustable cutting tool.

876/Cal/83. Syva Company. Enzyme Chromato Graphic Immunoassay,

(533)

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- 877/Cal/83. Daiichi Engineering Company, Limited. Squeeze
- 878/Cal/83. Combustion Engineering, Inc. Supplying Pulverized coal to a coal-Fired Furnace.
- 879/Cal/83. Hein, Lehmann Ag. Screening Machine.
- 880/Cal/83. The Dow Chemical Company. Preparation of plastic lined pipe and apparatus therefor.
- 881/Cal/83. The Dow Chemical Company. Plastic Lined pipe joint and method of joining.
- 882/Cal/83. The Dow Chemical Company. Flanged Plastic Lined Pipe and method for the preparation thereof.

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- 883/Cal/83. Maatschappij Tot Explcitatie Van Stork Ketels B.V. and Ruhrchemie Aktiengesellschaft. Ver ical Radiation Tank.
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 Process and apparatus for the generation of hot gases.
- 885/Cal/83. Marchinenfabrik Rieter A.G. Bobbin Support Structure for a roving fame. (September 28, 1979). [Divisional date September 27, 1980].
- 886/Cal/83. Kabushiki Kaisha Meidensha. Safety Device for enclosed switchboard provided with shutter device
- 887/Cal/83. Foster Wheeler Energy Corporation. A plitter-Bifurcate Arrangement for a vapor generating system utilizing angularly arranged funace boundary wall fluid flow tubes.
- 888/Cal/83. Combustion Engineering, Inc. Method and apparatus for controlling secondary air distribution to a multiple fuel combustor.
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- 890/Cal/83. Hans Thomm. A hair restorer.

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- 891/Cal/83. Dr. Iyotirmoy Ghosh. A vial for pathological test.
- 892/Cal/83. Dana Corporation. Case Hardening Method for Steel Parts.
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- 896/Cal/83. Institut Franceis Du Petrole, Improved Device for generating acoustic shear waves in the earth.
- 897/Cal/83, Basf Aktiongesellschaft. An information disk store, more especially a magnetic disk memory.
- 898/Cal/83. Shell Internationale Research Mastschappii
 B.V. Process for the preparation of hydrocarhous.
- 899/Cal/83. Tejendra Garg. Improvements in or relating to containers for storing fluids.
- 900/Cul/83. Kitamura Machinery Co. Ltd. Automatic tool changing coparatus.
- 901/Cal/83 Societe Industrielle De Transports Automobiles "Sita". Device for charging solids under compression into a receptacle.

20th July 1983

- 902/Cal/83 Mrs. Manjusri Choudhury. Improved LPG Gauge.
- 903/Cal/83 Mrs. Moniusri Choudhury. Apparatus for viscosity comparison and measurement.

- 904/Cal'/83. Dr. Anil Krishna Kar. Anti-Theft Device or Mcchanism for covers of manholes, Gullypits and similar openings.
- 905/Cal/83. Unic Van Kunstmestfabrieken B.V. Method and device for determining the saturation temperature of a solution.
- 906/Cal/83. Ken Hashimoto. Electromagnetic therapeutical device.
- 907/Cal/83, John H. Cover. Fnergy Conversion system.
- APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCII, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-110 005.

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- 396/Del/83. I Thumbooswamy Joseph David, "Mechanical Indication Kit-Kat Fuse".
- 397/Del/83 T Thumbooswamy Joseph David, "Peddled Electric cycle".
- 398/Del/83. I Thumbooswamy Joseph David, "Double filament G.L.S. Lamp".
- 399/De¹/83. Union Carbide Corporation, "Lithium balide additives for nonaqueous cell system".

14th June 1983

- 400 'Del'83. GIMAG Aktiengellschaft. "Process and apparatus for the regenerative purification of a granular filter bed".
- 401/Del/83. Sulzer Biothers Ltd., "System for draining the superheater heating surfaces of a steam generator".
- 402/Del/83. Dennison Manufacturing Co. "Flexible diskette data duplication".

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- 403/Del/83. The Standard Oil Co., "High pressure, nonlocal thermal high equilibrium are plasma generating apparatus for deposition of coating upon substrates".
- 404 'Del/83. Pfizer Corporation, "Topical anti-inflammatory compositions".
- 405/Del/83. National Starch and Chemical Corporation. "Method for preparing a contraceptive composition".

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- 406/Del/33. Council of Scientific & Industrial Research, ."Compensated ultrasonic timer".
- 407/Del/83. Council of Scientific & Industrial Research, "Micro-processor based meniterpig system for pen boiling process for sugar industry",
- 408/Del/83. Gerl and S.A., "Method of and apparatus for producing decorative floor and wall coverings".
- 409/Del/83. Societe nationale D' Etude Et De Construction De Moteurs. D'Aviation "S.N.E.C.M.A.", "Proximity Rader".
- 410/Del/83. Rhone-Poulenc Sante. "Process for the preparation of 4-hydroxyquinolines".

17th June 1983

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- 412 Del/83. Cement Research Institute of India, "Non shrinking and expansive cements and process for the manufacture thereof".
- 413 Del 83. Chief Controller Research & Development, Aluminium conducting thick film paste".
- 414/Del/83. Central Distillery & Breweries I td. "A process for treatment of molasses".
- 415/Dc1/83. S. C. Dikshit & G. P. S. Chauhan, "Bitumen temperature control device".
- 416, Del/83. Council of scientific & Industrial Research, "Electrochemical process for the preparation of 2, 5 dihydro 2, 5-dimethoxy furan from furan".

- 417/Del/83. Council of Scientific & Industrial Research, "A process for the preparation of 1, 2-trans-1-(p-(3-Pyrrolidineethex)-Phenyl-2-Phenyl-7-Methexy Benzesuberan".
- 418/Del, 83. Council of Scientific & Industrial Research, "A process for the synthesis of 14-alkoxy-14-azadispira [5.1,5.2,] pentadec-9-ene-7, 15-dione, 7-(3'-substituted amino-2' hydrorypropyloxy) oxime as β 1-blockers".
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198/BOM/1983. Chlorine Engineers Corp. Ltd. Bonding of Cation Exchange Membrane.

22nd June 1983

199/BOM/1983, Mrs. Rohini Rammohan Kashikar. Magnetic door holding device.

23rd June 1983

- 200/BOM 1983. Shivprasad H. Thaker. Chpser.
- 201/BOM/1983. Anand Govind Bhole. Compact Water Treatment Plan.
- 202/BOM/1983, Dr. Anand Govind Bhole. Package Water. Treatment Plan. (Patent of Addition to 78/BOM/82).

27th June 1983

- 203/BOM/1983. Shrikant Shambhu Nagvenkar. $4 \times 4 \times 4$ Cube.
- 204/BOM/1983. Dhananjay Dinkar Rudra. Improved Indicator for Automobile.
- 205/BOM/1983. Nivo Controls Pvt. Ltd. Improved Prope for level sensing of fly ash/dust collected by means of electrostatic precipitation system.
- 206/BOM/1983. Diwakar Mahadev Joshi. Emergency Automobile Brakes.

28th June 1983

- 207/BOM, 1983. Bajal Auto Limited. A magnetic pick up for an electronic ignition assembly of an internal combustion engine.
- 208/BOM/1983. Bajaj Auto Limited. Means for mounting ignition assembly on engines of two and three wheeler vehicle.
- APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

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129/Mas/83. Eddiya Gopalakrishna Rao. Improvements to solid fuel burning domestic stoves.

14th June 1983

- 130/Mas/83. A. Agaiwal. Flush Valve Assembly, 16th June 1983
- 131 Mas/83. M. Verghese. Evaporative Cooling & Airconditioning.
- 132/Mas/83. Mrs. A. M. Verghese. Evaporative Cooling & Airconditioning.

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- 133/Mas/83. K. T. Chandwalker & Dr. M. V. Oppen. Jmproved hermetic sealing system.
- 134/Mas/83, V. M. Rao Consultants Pvt. Ltd. Continuous crystalliser.
- 135/Mas/83. V. K. Parvatikar. 2. Blade less propeller for V.T.O.L.

21st June 1983

136/Mas/83. Dr. S. D. Isloor. A nasal obturator.

- 137/Mas/83. T. Krishnan. An omnidirectional vertically polarised dipole array antenna system.
- 138/ Mas/ 83. N. N. Duraiswamy. An improved fan-cooled motor.
- 139/Mas 83. N. N. Duraiswamy. An improved motor.
- 140/Mes/83. N N. Duraiswamy. A motor housings.
- 141/Mas 83. N. N. Duraiswamy. A supporting pedestal bracket for a monoblock pump set.

22nd June 1983

142/Mas/83. T. Krishnan & Bharat Electronics Limited. A broad bank UHF antenna.

27th June 1983

143/Mas/83. J. Philips & N. Dharmarajan. A mechanism for conversion of rotary motion into reciprocatory motion and vice versa.

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- 144/Mas/83. C. S. Javid. An improved centrifugal roller grinding device for wet grinding.
- 145/Mas 83. C Ealgopal. A device for indication, measurement and/or control of mechanical torque delivered by a prime mover induction motor.

29th June 1983

- 146/Mas 83. Mis. K. I celakrishna. "GFCI" a method of electrical ground fault circuit interruption.
- 147/Mas/83. Dr. G. P. R. Palnutkar. Diess/clothes separator for suitcase.

1st July 1983

- 148/Mas/83. M. Verghese. Liquid atomizer.
- 149/Mas/83, P. V. Sothyanarayana. Pneumatic button bit & Die grunder model 11.

4th July 1983

- 150 Mas, 83 II Krishnamurthy. An improved perpetual calander.
- 151/Mas/83. Amon Batteries Limited. Deep-cycle battery with composite plate positives.

6th July 1983

- 152, Mas 83 J. Philips & N. Dharmarajan. An internal combustion engine.
- 153/Mas/83. Kecala Gandhi Smarak Nidhi. A pump.

13th July 1983

- 154/Mas/83, K. Rajendran. A root zone feeder.
- 155/Mas/83. New Way Chemicals & Polishes Private Limited. A continuous toilet cleaner.
- 156/Mas 83. Kirloskar Electric Company Ltd. A method of welding studs or pins and studs or pins for carrying out the said method.

16th July 1983

157/Mas 83. J. Peter. Making use of densitical pressure tor converting gravitational force into electrical energy.

COMPLETE SPECIFICATION ACCEPTED.

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CLASS 14A_s. Int, Cl. H01m 3/00. 151847.

A METHOD OF MAKING A SHEET MATERIAL FOR USE IN A BATTERY SEPARATOR AND A BATTERY SEPARATOR HAVING A SHEET MATERIAL SO MADE.

Applicants.—TULLIS RUSSELL & COMPANY LIMITED, OF MARKINCH, GLENROTHES, FIFE, SCOTLAND, AND CHLORIDE GROUP LIMITED, OF 52 GROSVENOR GARDENS, LONDON, SWIW OAU, ENGLAND,

Inventors.—DAVID JOHN McRONALD McCALLUM ALEXANDER RALSTON CLIFFORD, GORDON ALEXANDER CLEGG, AND ERNEST JAMES PEARSON.

Application No. 487/Cal/79 filed May 11, 1979.

Convention date May 11, 1978 (19763/77) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

30 Claims.

A method of making a sheet material for use in a battery separator the method comprising creating a furnish such as herein described containing a synthetic pulp, the fibrils of which are filled with an inorganic filler such as herein described forming from the furnish a paper web which has an electrical resistance after immersion for 20 minutes in battery acid of no more than 300m ohms/cm³ incorporating in the web a wetting agent such as herein described the inorganic filler acting to retain the wetting agent when the web is immersed in battery acid to such an extent that after an accelerated ageing test, the electrical resistance of the web after immersion for 20 minutes in battery acid is no greater than 300 m ohms/cm³, the accelerated ageing test involving the steps of immersing 12 cm × 10 cm sheets cut from the web in 1.280 sg sulphuric acid at 75°C for one hour washing the sheets in water for one and a half hours and drying the sheets at 90°C for between 30 and 40 minutes, the sheets during the washing, being separated by 1 mm and being contacted by distilled water moving at 5 1/min at a contact rate of 40 cc water/cm³ of sheet per minute.

Com. Specn. 29 pages. Drgs. 3 sheets.

CLASS 145D.

151848.

Int. Cl. D21f 3/00; 3/04.

A PRESS MECHANISM FOR REMOVING LIQUID FROM A TRAVELLING FIBROUS WEB.

Applicants: BELOIT CORPORATION, WISCONSIN 53511, U.S.A.

Inventors: (1) WILLIAM CALVIN MOHR, (2) LEROY HENRY BUSKER, (3) JAN INGEMAR BERGSTROM AND (4) CARL JOHN FRANCIK.

Application No. 916/Cal/79 filed September 3, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A press mechanism for removing liquid from a travelling fibrous web comprising; a first elongate press nip formed between a travelling belt element and a first press surface movable with the belt element; a first stationary backing member extending along said elongate nip supporting the belt element and applying a pressing force to the belt element during its

travel through the nip urging it toward said first press surface; a second elongate press nip formed between a second travelling beit element and a second press surface movable with the belt element; and a second stationary backing member opposite said first stationary member and extending along said second elengate nip urging the belt element toward said second press nip during its travel along the second nip.

Com. Specn. 18 pages. Drgs. 5 sheets.

CLASS 195D.

151849.

Int. Cl. H01f 41/00.

A SOLENOID VALVE.

Applicants: LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, B2/19 XF, ENGLAND.

Inventors: BOAZ ANTONY JARRETT.

Application No. 995/Cal/79 filed September 22, 1979.

Convention date July 6, 1979/(23687/79) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A solenoid valve comprising a cylindrical armature formed from magnetizable material and having a plurality of axially spaced annular grooves formed in its outer peripheral surface, the grooves lying in planes respectively perpendicular to the axis of movement of the armature, an electrical winding comprising a plurality of annular disc shaped winding portions surrounding the armature, each winding portions surrounding the armature, each winding portions surrounding the armature, adjacent discs being in contact with each other at their outer edge portions, there being as many annular discs as there are grooves on the armature, the winding portions being arranged so that in use when electric current flows there through adjacent discs will assume opposite magnetic polarity, the magnetic-flux effecting movement of the armature, characterised in that each of said discs is divided into at least two parts whereby discs can be assembled about the armature with the inner edges of the discs extending into the respective grooves the thickness of the inner edges of the discs being chosen in relation to the winding the discs are offset in the axial direction in relation to the grooves and a valve closure member movable by the armature.

Com. Specn. 10 pages. Drgs. 1 Sheet.

CLASS 14A,.

151850.

Int. Cl. H01m 1/00; 2/30.

A BATTERY HAVING A SIDE TERMINAL ASSEM-

Applicants: GOULD INC., OF E 1200 FIRST NATIONAL BANK BLDG., ST. PAUL, MINNESOTA, UNITED STATES OF AMERICA.

Inventors: WILLARD J. OEHRLEIN, JAMES C. ENG-MAN.

Application No. 1085/Cal/79 filed October 18, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A battery having a thin molded wall, and a side terminal assembly comprising a continuous collar molded integrally with said wall and projecting outwardly therefrom and surrounding an opening through the wall, a one piece terminal having a head portion, a base portion extending through the opening and abutting the periphery thereof and a skirt portion spaced from the interior cafe of the wall, said base portion having a plurality of spaced keys engaging complementally shaped recesses in the periphery of the wall opening, sealing means positioned between the inner face of the head portion of the terminal and the outer face of the wall, the outward terminal portion of the collar being heat staked to the outer face of the head portion of the terminal to hold the terminal in position.

Com. Specn. 16 pages. Drgs. 2 sheets.

CLASS: 31C Int. Cl. H011 15/00.

LIGHT-ACTIVATED SEMICONDUCTOR SWITCHES.

Applicants: WESTINGHOUSE ELECTRIC CORPORA-TION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNIT-WESTINGHOUSE ELECTRIC CORPORA-ED STATES OF AMERICA.

Inventors: DERRICK JOHN PAGE.

Application No. 1093/Cal/79 filed October 19, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A light-activated semi-conductor switch comprising: semi-conductor body having a second impurity region disposed between PN junctions with first and third impurity regions; a first electrode coupled to said first impurity region. first electrode including structure for admitting electroningnetic radiation therethrough; a second electrode coupled to said third impurity region.

Com. Specn. 12 pages. Drgs. 1 sheet.

CLASS 40F. Int. Cl. B01k 3/00.

151852.

LOW-VOLTAGE VACUUM SWITCHES.

Applicants: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: LEONARD ALFRED SALVATORE.

Application No. 1094/Cal/79 filed October 19, 1979.

Appropriate office for opposition proceedings (Rule 4, Petents Rules, 1972) Patent Office, Calcutta.

A low-voltage vacuum switch for direct current electrolytic cell shunting operation, which switch is operable with the contacts closed at a high amperage D.C. continuous current, and which will interrupt this continuous current when the contacts are opened at a D.C. voltage across the contact which is below the voltage at which an are can be sustained between the contacts within the vacuum switch, which switch comprises an annular insulting body portion, a pair of flexible corrugated envelope portions, and a pair of cylindrical conductive contact members sealed to the inwardly extending periphery of the respective annular flexible corrugated envelope portions while the outwardly extending periphery of each annual flexible corrugated envelope portion is scaled to opposed encs of the annular insulating body portion, and are shield means disposed within the switch between the contact and surfaces and the annular insulating body portion, wherein said are shield means comprises two concentrations. wherein said are shield means comprises two concentrically spaced-apart generally conic shields, with an inner conic shield extending from one of the cylindrical contacts, and an outer conic shield extending from one of the cylindrical contacts, and an outer conic shield extending from one end of the annular insulating member, with the inner and outer conic shields substantially overlapping and extending parallel to each other at an angle relative to the switch axis.

Com. Specn, 11 pages. Drgs. 1 sheet,

CLASS 39A.

151853.

Int. Cl. C01b 7/22.

PROCESS OF PRODUCING HYDROGEN FLUORIDE.

Applicants: METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF REUTERWEG 14, 6 FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY AND VEREINIGTE ALUMINIUM-WERKE AG, OF GEORG-VON-BOESELAGER STRASSE 25, 53 BONN 1, FEDERAL REPUBLIC OF GERMANY

Inventors: (1) DR. LOTHAR REH, (2) DR. HANS WERNER SCHMIDT, (3) DR. HARALD SAUER, (4) PROF. DR. GUNTER WINKHAUS, (5) DR. ROLAND THOME AND (6) DIETER MORITZ,

Application No. 1157/Cal/79 filed November 6, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A method of producing hydrogen fluoride by pyrohydrolytic treatment of fluorine-containing materials as herein described in an expanded fluidized bed, followed by a cooling of exhaust gas characterized in that:

(a) separating by known method the material entrained in the hot HF-containing gas obtained by pyrohydrolysis at temperatures of 1000°—1400°C of said fluorine-containing material and recycling said material to said fluidized bcd;

(b) shock cooling in suspension collers the hot HF-containing gas by direct contact thereof with solids having average particle diameter of 30-250 micrometers and inert of the gas at operating condition and whereby the gas is cooled for removal of HI therefrom and the solids are heated to the temperature of the cooled gases;

(c) introducing the hot solids from step (b) to a cooler and cooling said solids with recovery of sensible heat there-

(d) recycling at least part of the cooled solids from st p (c) to step (b).

Com. Specn. 19 pages. Drgs. 1 sheet.

CLASS $32F_2(a)$, $55D_2$.

151854.

Int. Cl. C07c 69/74, 87/30.

PROCESS FOR THE PREPARATION OF BASIC RS OF SUBSTITUTED HYDROXYCYCLOHEXA-ESTERS OF NECARBOXYLIC ACIDS.

Applicants: LABORATORIO GUI OF VIA TRIESTE 40 PISA, ITALY. LABORATORIO GUIDOTTI & CO. S.P.A.,

Inventor: GIORGIO SAGRAMORA.

Application No. 1229/Cal/79 filed November 24, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A process for the preparation of basic esters of substituted hydroxycyclohexanecarboxylic acids having general formula of Fig. 1 shown in the accompanying drawings

wherein R represents group of figure 2 or figure 3 of the

type in which a substituted hydroxycyclohexanecarboxylic acid is reacted with an 1-diethylamino-2-chloropropane is the presence of hydrogen chloride acceptor, giving place to an isomer mixture comprising the desired basic ester having the formula of Fig. (1) and the isomer thereof having the formula formula of Fig (1), and the isomer thereof having the formula of Fig JA

characterized in that the reaction mixture, after isolation, is subjected to thermal isomerization by heating from room temperature to a temperature of between 160° and 240°C, over a period of at least 3 hours and the thus heated mixture is fractionatedly distilled under reduced pressure at a temperature not less than that of said heating

Comp. Specn. 10 pages. Drgs. 2 sheets.

CLASS 24B, 93, 127A.

151855

Int. Cl. F16h 13/00, 15/00, 17/00.

SINTERED IRON-BASED FRICTION MATERIAL.

Applicants: NAUCHNO-ISSLEDOVATELSKY INSTITUT POROSHKOVOI METALLURGII BELORUSSKOGO POLI-

TEKHICHESKOGO INSTITUTA, OF MINSK, ULITSA PLATONOVA, 41, USSR.

Inventors: (1) VLADIMIR IVANOVICH ALESHKE-VICH, (2) VALERY ANTSELEVICH GENKIN, (3) ALE-XANDER ANATOLIEVICH DMITROVICH, (4) EVGENIA IVANOVNA RUBINSHTEIN, (5) ANATOLY MIKHAILUVICH STARYNIN, (6) PETR NIKIFOROVICH STEPANJUK, and (1) EFIM IZRAILFVICH FISHBEIN.

Application No. 482/Cal 80 filed April 25, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

l Claim

A process for the manufacture of iron-based friction material which consists in taking graphite, aluminium nitride, and barium sulphate, all as powder, drying same at a temperature of 120–150°C, screening the same through sieves and mixing with copper 1 to 7; barium sulphate 3 to 8; graphite 5 to 9; aluminium nitride 2 to 8; glassceramic 3 to 5; the balance being iron, the sold components being mixed in a mixer in the presence of a neutral liquid, such as acctone, pressing the mixture of said composition in press mouter under a pressure of 3 t/cm³, then sintered in shaft furnace and simultaneously fitted to steel base under pressure of 15 kg/cm³ at a temperature of 1020–1050°C for three hours.

Comp. Specn. 14 pages. No drgs.

CLASS 186F.

151856.

Int. Cl. H041 3/00.

APPARATUS FOR CONVERTING KEYBOARD SYMBOLS.

Applicants: SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors: WOLFGANG WIESNER.

Application No. 625/Cal 80 filed May 27, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Potent Office, Calcutta.

11 Claims.

Apparatus for converting keyboard symbols into code character signals, particularly, in a teleprinter, the apparatus comprising a first store for connection to a keyboard so as to receive symbol signals corresponding to actuated keys of the beyboard, said first store containing character data words, respectively including code characters corresponding to respective predetermined ones of the keyboard symbols, and address data words, respectively including address words associated with respective predetermined others of the keyboard symbols the apparatus also comprising a second store containing the address words and associated with each of the latter, one or more auxiliary data words including a plurality of code characters which in combination have a predetermined correspondance with the relevant other keyboard symbol, a switching stage being arranged for switching through to an output of the apparatus the code character or combination of code characters as appropriate in response to actuation of a key of the keyboard.

Comp. Specn. 13 pages. Drgs. I sheet.

CLASS 107G.

151857.

Int. Cl. 102b 47/02, F02d 21/00.

DEVICE FOR PREVENTING POLLUTION OF AIR/ATMOSPHERE CAUSED BY UNBURNT EXHAUST CASES OF INTERNAL COMBUSTION ENGINES, AND SIMULTANEOUSLY FOR IMPROVING THE FUEL CONSUMPTION OF SAID ENGINES.

Applicant & Inventors: SMT. NAMITA BANERJEE, 3B/3, SANTOSH ROY ROAD, CALCUTTA-700 008, WEST BENGAL, INDIA.

Application No. 765/Cal/80 filed July 2, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

9 Claims.

A device for preventing pollution of air/atmosphere coused by unburnt exhaust gases of internal combustion engines, while in operation, and simultaneously for improving the fuel consumption of said engines, characterised by a tubular member adapted to be connected in between a source

of steam/water vapour and the working chamber of the engine in leak-proof manner, said tubular member being provided in-line therewith a means for separating condensed water from steam/water vapour flowing through said tubular member, and a regulating valve, for access of steam into said working chamber of the engine.

Comp. Specn. 12 pages. Drg. 1 Sheet.

CLASS 145D.

151858.

Int. Cl. D21f 1/02.

JMPROVEMENTS FOR EFFECTING FIBER ORIENTATION IN A PAPERMARING MACHINE HEADBOX.
Applicants: BELOIT CORPORATION, WISCONSIN 53511, U.S.A.

Inventors: JAN INGEMAR BERGSTROM AND RICHARD EARL HERGERT.

Application No. 1009/Cal/80 filed September 3, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

11 Claims

Improvements in a headbox for delivering stock to a forming surface in a papermaking machine, wherein the headbox includes a slice chamber having a machine direction of stock flow and a cross direction relative to said machine direction, and means for delivering papermaking stock to the slice chamber, characterized in that said delivering means comprise:

a set of partitions defining stock flow passage extending oblively in a cross direction, said passages being adapted for receiving into their upstream ends fibrous papermaking stock flowing in the machine direction toward said upstream ends said partitions being adapted for operating to bias the stock streams in said flow passages in generally the cross direction and thereby effecting substantial cross direction orientation of stock fibers in the streams, and means at the downstream ends of said passages being adapted for diverting the streams in substantially the machine direction toward said slice chamber while permitting at least a substantial proportion of the fibers to remain in said cross-direction orientation for delivery from said slice chamber to said forming surface.

Comp. Specn. 17 pages. Drgs. 2 sheets.

CLASS 32C, 43F₄(1), 55D₂, E₂ & E₄. Int. Cl. C07d 99, 04,

151859.

METHOD FOR PRODUCING MILDIOMYCIN.

Applicants: TAKEDA CHEMICAL INDUSTRIES, LTD., OF 27, DOSHOMACHI 2-CHOME, HIGASHI-KU, OSAKA 541, JAPAN.

Inventors: TAKASHI SUZUKI, IIIDEKAZU SAWADA & TSHNETOMO ASAI.

Application No. 1385/Cal/80 filed December 15, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

9 Claims.

A method for producing mildiomycin of the formula shown in the accompanying drawing by cultivating a miliomycin-producing micro-organism belonging to the genue Streptoverticilium in a culture medium, characterized by cultivating in the presence of an N-methyl compound such as herein described having at least one nitrogen atom substituted with 1 to 4 methyl groups in the molecule thereof in an amount of 3 mM to 200 mM to have mildiomycin produced in the culture broth.

Comp. Specn. 16 pages. Drgs. 1 sheet.

CLASS 32F₂₀.

151860.

Int. Cl. C07c 127/04.

IMPROVEMENT IN OR RELATING TO A PROCESS FOR SYNTHESIZING UREA.

Applicants: MITSUI TOATSU CHEMICALS, INCORPORATED AND TOYO ENGINEERING CORPORATION, OF NO. 2-5, KASUMIGASEKI 3-CHOMP, CHIYODA-KU, TOKYO 100,, JAPAN.

Inventors: SHIGERU INOUE, H)ROSHI ONO, AKITO FUKUI AND HARUYUKI MORIKAWA.

Application No. 1449/Cal/80 filed December 31, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

Improvement in or relating to p process for synthesizing urea including reacting carbon dioxide and armonia in a stoichiometrical excess thereto at urea synthesis pressures and temperatures to form a urea synthesis effluent containing unterpretation and dioxide and armonia in containing unformation and dioxide and armonia in containing unformation. reacted dioxide and ammonia, reparating an inert gas from said urea synthesis effluent along with said unreacted carbon dioxide and ammonia entrained in the inert gas under a pressure approximately equal to the urea synthesis pressures, subjecting said urea synthesis offluent to stripping with carbon dioxide or ammonia under a pressure approximately equal to the urea synthesis pressures to separate at least a part of said unreacted carbon dioxide and ammonia, subjecting the urea synthesis effluent resulting from said stripping to high pressure distillation under a pressure of from 10 to 25 kg/ cm² gauge to separate the major vortion of carbon dioxide and ammonia contained therein, subjecting the urea synthesis effluent resulting from said high pressure distillation to low presemuent resulting from said high pressure distillation to low pressure distillation to separate all of the carbon dioxide and ammonia contained therein, to obtain an aqueous urea solution, producing urea from the aqueous urea solution thus obtained, absorbing said carbon dioxide and ammonia separated in said high pressure distillation in an absorbent to form a high pressure absorbate, cooling unabsorbed ammonia gas to separate resulting liquid ammonia from said inert gas, contacting said unreacted carbon dioxide and ammonia separated in said stripping with said high pressure absorbate for condensation, and recycling an ammonium carbamate solution thus obtained and said liquid ammonia to said urea synthesis, the improvement which comprises contacting said inert gas accompanying unreacted carbon dioxide and ammonia with said absorbent along with said carbon dioxide and ammonia separated in said high pressure distillation at a temperature of 100 to 120°C and pressure of 10 to 25 kg cm? to obtain said inert gas substantially free of carbon di-oxide and containing unabsorbed ammonia, cooling the result-ing inert gas to separate said inert gas from the resulting liquid ammonia, and discharging the inert gas thus separat-

Comp. Speen. 18 pages. Drg. 1 sheet.

IND. CL. 28 C \pm 180.

151861.

INT. CL. F 23 r 1/18.

AN IMPROVED LIQUID FUEL STOVE.

Applicant & Inventor: BALUBHAT HARIBHAT VASOYA AN INDIAN NATIONAL, AT 10/109, NAVRANG FLATS, BAPUNAGAR, AHMEDABAD-380 025, GUJARAT STATE,

Application No. 66/Bom/80 filed on March 18, 1980. Complete after provisional left on May 28, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

4 Claims.

A liquid-fuel stove comprising a liquid-fuel storage container, a tube for supply of fuel from the said container to a nipple housed in a burner cup, an air draughting arrange-ment for providing regulated air draught which is adapted to be mixed with the fuel inside the said nipple to form air-fuel mixture, which, on coming out of the nipple, when ignited, is caused to be hurnt within the hurner cup to provide the source of heat, characterised in that an electrical heating element is provided on top of the nipple, within the hurner cup, and said heating element is adapted to be energised or de-energised, as and when desired, for pre-heating the fuel-air mixture, and that the said air draught arrangement comprises an air blower which communicates with the nipple through a pipeline, and said pipeline is provided within the same with a movable haffle, the latter being adapted to be moved by turning a knob for increasing or reducing the air flow through the pipeline, as and when desired.

Provisional Specification 3 pages: Drawings 2 sheets, Complete Specification 11 pages: Drawings 2 sheets.

IND, CLASS 39 K, 189.

INT. CI ASS C01 b 33/12.

A METHOD FOR THE PREPARATION OF PRECIPI-TATED SILICAS IN POWDER FORM SUITABLE FOR USE IN DENTAL PREPARATIONS SUCH AS TRANSPA-RENT/TRANSLUCENT TOOTHPASTES.

Applicant: HINDUSTAN LEVER LIMITED, A COM-PANY INCORPORATED UNDER THE INDIAN COMPA-HINDUSTAN LEVER LIMITED, A COM-NIFS ACT 1913, AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LEVER HOUSE 165-166, BACK-BAY RECLAMATION, BOMBAY-400 020, MAHARASH-TRA, INDIA.

Inventors: VAIDYANATHASWAMY RAMASUBRAMA-NIAN.

Application No. 104 Bom/80 filed Apr 17, 1980.

Complete Specification after provisional left on July 14,

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

6 Claims.

A method for the preparation of precipitated silica in pow-der form suitable for use in dental preparations such as transparent translucent toothpaste, in which:

- (i) Sodium silicate solution is destabilised with acid as herein described under rapid agitation at a pH above
- (ii) the precipitate thus obtained in washed with acid as hereinbefore described to remote iron.
- (iii) acid is removed from the silica precipitate by washing in a known manner, and
- (iv) the precipitate is dried to a powder,

Provisional Specification 6 pages; Drawings Nil. Complete Specification 10 pages; Drawings Nil.

Ind. Cl. 32 F1 + 32F3C.

151863.

Int. Cl. C07C 35/00.

A PROCESS FOR MANUFACTURE OF LAEVO-MEN-THOL.

Applicant: BHAVANA CHEMICALS LIMITED. (AN INDIAN COMPANY) HAVING ITS REGISTERED OFFICE AT 64-65 LAXMI INSURANCE BUILDING, SIR PHIROZSHAH MEHTA ROAD, FORT, BOMBAY-400 001, MAJIARASHTRA, INDIA.

Inventors: (1) SRINIWAS NARAYAN NAKHATE, (2) SHIVAGOUDA BASAVANNEPPA NERALI.

Application No. 135/BOM/1980 Filed on May 16, 1980.

Complete specification left after Provisional on August 17,

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

7 Claims.

A process for the manufacture of 1-menthol comprising the epoxidation of 8-halo-2-p-menthene by treatment with an organic peracid as herein described in a conventional manner to obtain 8-halo-2-p-menthene epoxide, treatment of the epoxide so obtained with an anhydrous hydrogen halide to form 2, 8,-dihalo-3-hydroxy para menthane and hydrogenolysis in a conventional manner of the said 2, 8-dihalo-3-hydroxy para

Provisional Specification 5 pages. Drawing 1 sheet.

Complete specification 8 pages. Drawing 1 sheet, Ind. Cl. 58B. 151864.

Int. Cl. E06 b 7, 00.

AN IMPROVED CAR DOOR BEADING-CUM-SEALING MEANS AND METHOD OF MANUFACTURING THE SAME.

Applicants: GOLD SFAL FNGINEFRING PRODUCTS PRIVATE LTD., OPP. CEAT TYRES, BHANDUP, BOM-BAY 400 078, MAHARASHTRA STATF, INDIA.

Inventor: CYRUS HOSHANG AGA.

Application 189/BOM/1980 filed in June 30, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch,

15 Claims.

An improved car door beading-cum-sealing means compris-ing a metal reinforced plastic U-shaped channel, inside whereof being provided with one or more pair(s) of lips facing each other and meeting at an angle the vertex of said

angle lying towards the bend of the channel, and thereby defining a gripping point/s and a tubular sealing element is provided at one side of the said channel.

Complete Specification 11 pages. Drawings 2 sheets.

IND. CLASS 92 D + II. INT. CLASS B 02 b 3 00. 151865.

AN IMPROVED PROCESS FOR THE ACID DELINTING OF COTTON SEEDS.

Applicant and Inventor: DR. MAHESHCHANDRA CHIMANLAL SHROFF, AN INDIAN NATIONAL OF ARUNODAYA PRATAP ROAD, RAOPURA, BARODA-390 001, GUJARAT STATE, INDIA.

Application No. 235/BOM/80 filed August 2, 1980.

Appropriate office for opposition proceedings (Rule 4 Patents Rules 1972) Patent Office, Bombay Branch.

10 Claims.

An improved process of acid delinting of cotton seeds comprising, treating the raw cotton seeds with sulphuric acid characterised in that the sulphuric acid used for the purpose contains sulphamic acid optionally with at least a wetting agent such as herein described.

Complete Specification 9 pages: Drawings Nil. CLASS 32E + 152E. 151866. Int. Cl C 08 g 17/00.

À PROCESS FOR THE PREPARATION OF EPOXY MODIFIED ROSIN AND POLYROSIN.

Applicant: CAMPHOR AND ALLIED PRODUCTS LIMITED AN INDIAN COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT AND HAVING ITS REGISTERED OFFICE AT JEHANGIR BUILDING, 133 MAHATMA GANDHI ROAD, BOMBAY-400 023, STATE OF MAHARASHTRA, INDIA.

Inventors: DR. ESWARAN RAGHAVAN, DR. AJAI PRAKASH, DR. SUKH DEV.

Application No. 256/Bom/80 filed on Sept 4, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

3 Claims.

1. A process for the preparation of epoxy modified rosin or polyrosin which comprises preparing an epoxy resin containing terminal epoxy and intermediate hydroxyl groups by reacting a dihydric phenol such as herein described with epichlorohydrin in an alkaline solution at a temperature between 50° to 100°C and then reacting the epoxy resin thus obtained with rosin or polyrosin at a temperature between 220°C and 310°C in a manner such as herein described.

Comp. specn. 6 pages. Drg. nil.

Int. Cl. 32F.+152E. Int. Cl. C08g 17/00. 151867.

A PROCESS FOR THE PREPARATION OF MALEIC ANHYDRIDE OR FUMARIC ACID MODIFIED SORBITOL ESTER OF ROSIN.

Applicant: CAMPHOR AND ALLIED PRODUCTS LIMITED AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT JEHANGIR BUILDING 133, MAHATMA GANDHI ROAD, BOMBAY-400 023, STATE OF MAHARASHTRA, INDIA.

Inventors: MR. TRIBHUVAR SHAMJI KHERA, DR. AJAI PRAKASH, DR. SUKH DEV.

Application No. 258/BOM/80 filed on Sept. 4, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

5 Claims.

1. A process for the preparation of maleic anhydride or fumaric acid modified sorbitol ester of rosin which comprises preparing an adduct from the reaction of 100 parts by weight of rosin with 8 to 15 parts by weight of maleic anhydride or fumaric acid and reacting, in situ, this adduct with 20 to 30 parts by weight of sorbitol at conditions such as herein described.

Comp. speen, 5 pages. Drg. nil.

Ind, Cl 62D, Int. Cl D06 c 7/00. 151868.

IMPROVEMENTS IN OR RELATING TO A STENIER TO CARRY OUT A PROCESS FOR TREATING TEXTILE FABRICS BY SUPERHEATED STEAM.

Applicant: PRIMATEX MACHINERY PRIVATE LIMITED AN INDIAN COMPANY EXISTING UNDER THE COMPANIES ACT, 1965 OF INDIA HAVING ITS REGISTERED OFFICE AT DHANRAJ MAHAL CHHATRAPATI SHIVAJI MAHARAJ MARG, BOMBAY-400 039, STATE OF MAHARASHTRA, INDIA.

Inventor: VASANT VINAYAK APTE.

Application No. 370/BOM/80 filed on Nov 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

5 Claims.

Improvements in or relating to a Stenter to carry out a process for treating textile fabrics by super heated steam, comprising a Drying Chamber wherein the wet fabric passing through it is dried by superheated steam produced by heating elements using moisture of the fabric, the steam being discharged upon the fabric in transverse jet from openings running along the sides of plurality of channels, a series of parallel transverse, inclined slats being provided below each channel, and disposed near the top of each of a plurality of ventury tunnels, each ventury tunnel being connected to a fan housing, the fan circulating the said steam, the said heating elements positioned in the vicinity of the fan, the steam reflected from the fabric being made to recycle to the fan via the said channels and via spaces between adjacent ventury tunnels.

Comp. speen. 9 pages. Drawings 7 sheets,

Ind. Cl. 14.A.1,

151869.

Int. Cl. H 01 m 1/00.

AN ELECTRIC STORAGE BATTERY CONTAINER PROVIDED WITH VENTING AND FILLING MEANS.

Applicant: THE STANDARD BATTERIFS LIMITED, VAKOLA. SANTACRUZ, BOMBAY-55, MAHARASHTRA, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventor: MANOHAR DEVADOSS.

Application No. 35/BOM/81 filed Feb. 6, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

5 Claims.

An electric storage battery container having known means for venting and filling, the said means being provided within an aperture formed on a lateral wall of the container, the said aperture being surrounded by a raised boss, characterised in that a flexible disc with a slot matching the aperture is located within the boss against the said wall, the means for venting and filling are mounted on a backing plate and are adapted to be received in the slot of the flexible disc and in the aperture of the container, with the backing plate of the venting and filling means resting against the unslotted portion of the flexible disc and being held in position by a fastening member engaging the inner periphery of the boss to thrustably retain the backing plate against the said flexible disc as well as the wall of the container in a fluid tight relationship therewith.

Complete Specification 9 pages. Drawings 2 sheets.

IND. CLASS 31 A,

151870.

INT. CLASS H 01 g 13/00.

A METHOD OF ENCAPSULATING CAPACITORS AND A CAPACITOR PREPARED BY THE SAID METHOD.

Applicant and Inventor: SADANAND PRABHAKAR KOTWAL. 84, SHIVAJI HOUSING SOCIETY, PUNE-411 016, MAHARASHTRA STATE, INDIA.

Application No. 52/BOM/81 filed on Feb 19, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

6 Claims.

A method of encapsulating capacitors characterised in that two lead wires which have the shape of a pig tail are placed in position in a tube of thermoplastic material which in turn is placed in a mould, the said capacitor having two extended foil electrodes is positioned inside the mould; a thermoplastic material is injected such that the lead wires, are in firm contact with the two extended foil electrodes of the condenser coil and get embedded in the said thermoplastic material the said two electrodes in the form of two foils are arranged in a staggered manner so that they form the two extended foils terminals of the wound capacitor.

Complete Specification 8 Pages; Drawings 2 Sheets.

IND. CLASS $146 D_2 + 186 E$, INT. CLASS H 04 n 5/00.

151871.

A DEVICE FOR PROJECTING A MAGNIFIED IMAGE FROM. A TV SCRFFN ON TO A PORTABLE SCREEN OR WALL.

Applicant and Inventor: OMPRAKASH NOTANDAS GUREJA, OF 204, VEENA VIHAR, FLANK ROAD, OPP. GANDHI MARKET, SION, BOMBAY-400 022.

Application No. 58/BOM/81 filed on Feb 25, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

7 Claims

A device for projecting a magnified image from a TV Screen on to a portable screen or wall comprising in combination of flox having one side thereof open, said open side being mounted on the TV screen, the side opposite the open side having an aperture being adapted to accommutate a meniscus lens or an achromat lens and means for providing an inverted image on the TV screen, said lens being at such a distance from the said TV screen that the said inverted image is carried through said lens and magnified consequently in an upright manner.

Complete Specification 11 Pages; Drawing 1 Sheet.

CLASS 195C.

151872.

Int. Cl. F 16 k 1/00.

AN IMPROVED TAP.

Applicant & Inventor: JANARDHANAN PADMANABHAN SUBRAMONIAM, C/O EASLAND COMBINES "GOMATHY BUILDINGS". C.I.T. ROAD, KILLIPALAM, TRIVANDRUM-695 002, KFRALA.

Application No. 44/Mas/81 filed March 10, 1981. Complete specification left March 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims.

An improved tap comprising a valve body which extends by itself or through a connecting member to the inlet passage of a liquid whose flow is to be controlled, said valve body having a valve seat whereupon sits the head of a valve member which is coaxially disposed within said valve body, said valve member having at least one passage provided therewith for letting out liquid, said passage being located below said valve seat during the normal closed position of said tap: an outer sleeve member slidably disposed around said valve body and secured to the lower extension of said valve member; and a suction chamber slidably and coaxially located above said valve member, said suction chamber having at its underside a cavity or recess whose dimensions commensurate with the upperside of said valve member.

(Prov. 5 pages; Com. 6 pages; Drwgs. 2 sheets).

CLASS 24D₁.

151873.

Int. Cl. B 60 t 11/00.

MASTER CYLINDER.

Applicant: LUCAS INDUSTRIES LIMITED, GREAT KING STREFT, BIRMINGHAM-19, ENGLAND.

Inventors: (1) ALFRED YARDI, FY. (2) JOHN FLORY PICKERING.

Application No. 72/Mas/81 filed April 7, 1981.

Convention date April 29, 1980 (United Kingdom, No. 8014024).

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972), Patent Office, Madrzs Branch. 2—207 GI/83

12 Claims.

A master cylinder of the quick-fil type comprising a body having a stepped bore, a piston having opposite ends slidable in respective portions of the boer and defining therewith a low volume pressure chamber and a larger volume quick-fill chamber, a port in the body open to the quick-fill chamber and a compensation port in the body for communicating with the pressure chamber, a reservoir connected to said ports, and valve means controlling communication between the reservoir and the ports, the valve means including a pressure responsive valve arranged to open when the pressure in the quick-fill chamber reaches a pre-determined level, and a one-way valve permitting free flow of fluid in the direction from the reservoir to the quick-fil chamber, the pressure responsive valve comprising a valve member and seat having cooperating confronting surfaces which move apart when the valve opens for fluid to flow therebetween in a direction substantially parallel to the said surfaces, and a restricting bypass passage being defined between said confronting surfaces when the pressure responsive valve is closed.

Com. 17 pages; Drwgs. 1 sheet of size 33.00 cms. \times 41.00 cms.)

PATENTS SEALED

150117 150250 150255 150353 150354 150360 150614 150637 150659 150666 150696 150702 150707 150741 150742 150743 150745 150746 150764 150765 150766 150768 150769 150774 150775 150781 150782.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendmeths proposed by Shyamsundar Ghose in the specification in respect of his application No. 124353 as advertised in Part III. Section 2 of the Gazette of India dated 21st August, 1976 have been allowed.

(2)

Notice is hereby given that Platt Saco Lowell Limited, a British Company, of Holcombe Road, Helmshore, Rossendale BB4, 4NG, Lancashire, England, have made an application under section 57 of the Patent Act, 1970 for amendment of application Form specification and other formal documents of their patent application No. 150622 for "Improvements relating to open end spinning apparatus". The amendments are by way of changing the address to read as "Scaitcliffe Street, Accrington, Lancashire BB5 ORN, England". The application for amendment and the proposed amendment can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, or copies of the same can be had on payment of the usual coping charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCE OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licence of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. Title of the invention

145414 (17-08-77) A process for the preparation of propylene terpolymer.

145614 (07-12-76) A method of producing particulate flavouring material.

145815 (06-09-77) A process for production of carbon black.

146167 (18-11-77) Process for the preparation of water soluble dyestuffs,

146257 (06-09-77) Process for extraction of alumina from alumina containing ores.

146258 (04-11-77) Improvements in the preparation of sodium tripolyphosphate.

- 146275 (07-04-77) Process for preparing carbamyl triazole insecticides.
- 146276 (07-04-77) Process for preparing carbamyl triazole insectleides.
- 146286 (27-09-77) A process for the preparation of directly iodinated steroid hormones and related compounds.
- 146313 (06-05-77) Process for the preparation of phthalocyanine compounds,
- 146326 (27-07-76) A method for the preparation of 3, 7-dimethyl-2-octenenitrile.
- 146339 (10-05-77) Sulfonation of organic reactants and apparatus therefor,
- 146347 (18-11-77) Process for preparing 0-aryl-N-phosphonomethyl glycinenitriles and salts thereof.
- 146348 (18-11-77) A process for preparing N, N'-Methylene bis [0, 0-Diaryl N-phosphonomethyl glycine nitriles].

COMMERCIAL WORKING OF PATENTED INVENTION

CHEMICAL LIST NO. V

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calender Year 1981, generally on account of want of requets for Licence to work the patented inventions. Persons who are interested to work the said patents commercially may contact the Patentees for the grant of licence for the purpose.

S. No.	Patent No.	Date of Patent	Name and address of the patentee	Title of the invention
1	2	3	4 . **	5
1	141009	5-9-73	Hoechst AG 6230 Frankfurt Main 80 Federal Republic Germany	Process for preparing new water soluble reactive dyestuffs of antraquinone series.
2	141012	2-11-73	Fisons Ltd Fiscon House, 9, Grosvenor Street London England	Process for producing phosphoric acid by the wet process.
3	141017	19 -9-74	Shell Internationale Research Maatschappij B. V. Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process for preparation of synthesis gas
4	141031	15-1-76	Interox Chemicals Ltd. Hanover House, 14, Hanover Square London W1R OBE England	Process for epoxidation of an alkene by reaction with per acid
5	141032	2-11-73	Fiscons Ltd Fison House 9, Grosvenor Street, London England	Process for producing phosphoric acid by the wet process
6	141051	24-5-72	Norton Co 1 New Band Street Worcester State of Maasachusetts USA	Alumina zirconia abrașive materials
7	141057	27-12-73	Gould Inc 1110 Highway 110 Mendota Heights Minnesota USA	A method of making a lead acid storage battery and the battery itself capable of activation by the addition of elect rolyte
8	. 141082	21-8-73	The Benfield Coporation 640 Spruce Lane, Berwyn Commonwealth of R Pennyslvania USA	A aqueous solutions for absorbing carb- on dioxide from gas mixtures and method the use thereof
9	141094	10-4-75	Thyseen Niederrhein AG 42 Oberhausen FRG.	A process for the manufacture of steel with improved toughness properties and an equipment for carrying out the same.
10	141105	28-2-75	CSIR Rafi Marg, New Delhi	Improvements in or relating to the production of copper folls suitable for printed circuits
1	141114	14-11-73	Lubrizol Corpn. Box 3057 Euchid Station Cleveland Ohio 44117 USA	Lubricant oil composition
12	141126	10-5-74	Snamprogetti S.p.A. 16 Corso Venezia Italy	Partial oxidation of organic compounds and an apparatus thereof
13	141128	4-12-74	Hoechst AG 6230 Frankfurt Main 80 FRG	Process and device for preparing copoly- mers of trioxane

1	2	3	4	5
14	141142	3-12-73	CSIR Rafi Marg New Delhi	A process and an equipment for desul- phurisation gasification of high sulphur furnace oil
15	141160	16-11-74	Shell Internationale Research Maat schappij BV Carel Van Bylandtlaan 30 The Hague The Netherlands	Gas preparation process
16	141177	16-10-73	E.I.Du Pont Wilmington Delware USA	An electrolytic process and electrolytic cells therefor
17	141183	27-12-74	Hoechst AG 6230 Frank furt Main FRG	Process for the preparation of chlorinated copper pthalocyamines
18	141224	24-4-74	Dr. C. Otto & Comp GMBH Christrasse 9, Postfach 1849/1850 463 Bochum West Germany	Process for the quencting of hot coke discharged from a coking oven
19	141228	23-7-74	Bruno Fabbian Via XI Fabbro Asigliano Veneto (VI) Italy	A method of producing a dust diluent or carrier from anhydrous or hydrated calcium sulfate in grannular of powder form
20	141234	18-11-74	Snamprogetti SpA 16 Corso Venezia Milan Italy	A process for the preparation of poly-n hydro carbylimino alanes
21	141238	4-2-75	Hoechst AG D 6230 Frankfurt Main 80, FRG	Process and apparatus for cleaning pellet shaped calcium hydrooxide
22	141246	31-12-73	1CI Ltd Mill bank London SW-1England	A process for the catalytic oxyhydro gen- nation of hydro carbon or halogenated of hydro carbon feed stocks
23	141249	22-2-74	Kabel UNd Metallwerke Gutehoggnun Gshutte Ag Vahrenwalder Strasse 271 3000 Hannover West Germany	Method and apparatus for production of copper clad alluminium or alluminium alloy wire and the wire so produced
24	141261	5-6-74	Josef Meissner GMBH 16-20 5-Koln 51- FRG	A method for reprocessing the final acids of the nitroglycorine production
2 5	141289	17-5-74	Gypsum Research SA 22 Rue Dela Corraterie C4 1204 Geneve Switzerland	Method of producing fibre containing building members
2 6	141299	3-11-75	Nuchem P'lastics Ltd 20/6 Mathura Road, Faridabad 121006	A process for the manufacture of butylated urea formaldehyde resins
27	141321	31-8-74	Kentredder Ltd Longueville, St Saviour Jersey	A method of treading tyres and tyres so treaded
28	141329	17-12-74	Hoechst AG 6230 Frunkfurt Main 80 FRG	Process and apparatus for the continuous dehydration of moist solid grannular materials such as wet coke.
29	141332	5-3-74	PPG Industries INC One Gateway Centre, Pittsburgh Pennsylvania USA	Method and apparatus for manufacturing sheet glass
30	141346	15-1-74	Mitsul Toatsu Chemicals INC 2-5, 3-chome, Kasumigaseki, Chiyoda-ku Tokyo, Japan.	Process for preparing colored organic materials using assymmetrical thioin digoid compounds as the coloring components
31	141349	8-2-74	American Cyanamid Co Wayne, New Jersey USA	Process for melt spinning shaped articles
32	141350	13-2-74	Siemens AG Berline & Munich West Germany	A process for the production of elongated polyethylene structure
33	141354	8-5-74	ICl Ltd, Imperial Chemical House, Mill bank, London SW-1 England	Method and apparatus for the treatment of liquid borne biologically degrad- able waste material
34	141367	19-3-75	Union Carbide Corporation 270 Park Avenue New York 10017 USA	Improved protection for externally heated cast iron vessel used to contain a reactive molten metal

1	2	. 3	4	5
3 5	141393	12-2-74	Catalyste & Chem INC 1227 S. O. 12th Street, Lovisville Kentucky USA	A process for removing chlorine compounds from industrial fluid streams,
3 6	141401	23-7-74	Chemie Linz AG St. Peters Strasse 25, 4020 Linz Austria.	Process for the preparation of sulphuric acid.
3 7	141426	2-12-74	USS Engineers & Consultants INC 600 Grant Street, Pittsburgh Pennsylvania USA.	Improvements in or relating to process for the electric deposition of film into steel sheets and strips.
38	141433	6-3-74	Saint Goban Industries 62, Boulevard, Victor Hugo, Nevilley Sur Seine France.	Method and apparatus for the production of fibrous material.
39	141440	24-12-73	Hayashibara Biochemical Laboratories Incorporated No 2-3, 1-Chome, Shimolshii, Okayama-shi, Okayama-Ken Japan.	A shaped solid body of pullan ester and a method of making the same.
40	141442	8-1-74	Hoechst AG 45, Bruingstrasse Frankfurt/Main FRG.	Process for compressing ketone.
41	141443	16-1-74	-Do-	Method for the treatment of crude azo pigments.
42	141454	20-11-73	Anic SpA Corso Venezia 16, Milan Italy.	Process for polymerizing unsaturated compounds.
43	141458	19-2-75	CSIR Rafi Marg, New Delhi.	Method of producing and sealing coloured aluminium powders.
44	141461	20-3-74	Rhone Progil 25 Quai Paul Doumer, 92408 France.	Bulk polymerisation of vinyl chloride.
45	141471	12-12-74	RCA Corporation 30 Rockfeller Plaza New York 10020 USA.	Method of vapour deposition.
46	141491	3-5-75	CSIR Rafi Marg, New Delhi.	Improvements in or relating to calcium phosphate for use in fluoroscent tube light
47	141513	14-1-74	British Oxygen Co. Hammersmith House, London W69 DX England.	Process and apparatus for treatment of liquid.
48	141515	20-2-74	Combustion Engg. 1, 1000 Prospect Hill Road, Windsor USA.	Apparatus for producing Na ₂ S from Na ₂ SO ₄ .
49	141524	19-12-74	Midrex Corporation One NCNB Plaza, Charlotte, North Caroline 28280, USA.	Process for the continuous passivations sponge iron particles.
50	141533	23-9-75	Kuraray Co Ltd. 1621, Sakurin Kurashiki C74 Japan.	Process for the preparation of 1, , 1, tri- halogene-4, methyl-4, methyl-3, pentene-2- ols.
51	141543	26-8-74	Cincinnati Milacron Chemicals Inc. State of hio, U.S.A.	Preparation of dimethylin dichloride,
52	141547	30-3-76	Dulux Australia Limited, 1 Nicholson Street, Melbourne, Victoria 3001, Australia.	A process for preparing an aqueous slurry of rusiculated polyester resingranules.
53	141597	12-2-74	Catalysts & Chem Inc. 12th Street, Lovisville Kentvchy, U.S.A.	A process for converting sulphur pollu- tants namely cartonyl sulfide and sulfur dioxide in industrial (exhaust) gas streams to recoverable hydrogen sulfide.
54	141602	11-12-74	Hoechst Aktiengesellschaft, of 6230 Frankfurt, Main 80, Federal Republic of Germany.	Process for the preparation of trioxane copolymers.
55	141615	19 - 9-74	Do.	Process for the preparation of mono azo pigments.
56	141620	26-8-75	Prerovske Strojirny, Prerov, Czekoslovakia.	Improvements in or relating to apparatus for preheating and calcination of granulous and piece materials.

1 .	2	3	4	5
57	141621	12-11-75	Imperial Chemical House, Hillbank, London.	Process for the manufacture of fluorinated alkanoic and derivatives.
58	141640	19-3-74	Fuji Photo Film Co, Ltd. No. 210, Naka- numa Ninami-Ashigara-Shi, Kanagawa, Japan.	Colourphotographic materials and method for preparing the same.
59	141682	16-1-74	Hoechst A. G. of 6230 Frankfurt/Main-80, Federal Republic of Germany.	Process for the transfering a disazo pigment into a novel physical form.
60	141,683	16-1-74	Do.	Do.
61	141684	16-1-74	Do.	A method for transforming a disazo into a novel physical form.
62	· 141713	19-1-76	Prerovske Strojirny, Prerov, Czechoslova-kia.	Method of cooling granulous materials by a gaseous medium in a counter current, heat exchange and apparatus for perform- ing this method.
· 63	141717	15-1-76	Aikoh Co Ltd, 1-39, 2, Chome, Ikenohata, Taito Ku, Japan.	A method for the desulfurization of molten iron.
64	141731	12-11-74	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Improvements in or relating to the process for electrolyte reduction of m-dinitro benzene to m-phenylene diamine.
65	141733	4-3-74	Deutsche Gold Und, of 9, Weissfrauen strurse, frankfurt, Germany.	Process for regeneration of nitriding and carbonising salt baths.
66	141736	4-5-74	UOP, Inc., 10 UOP Plaza, Algonquin & Mt. Prospect Roads, Des Plaines, Illionois, U.S.A.	Non regenerative HF alkylation process.
67	141742	12-6•74	Hoechst Aktiengesellischaft, of D 6230 Frankfurt, Main 80, Federal Republic of Germany.	Purification of phosphoric acid.
68	141749	20-3-75	The Century Spinning and Manufacturing Co. Ltd., of Century Bhavan, Dr. Annic Besant Road, Worli, Bombay-400025.	A process for preparing an aquouspring paste for the printing durable transparent effects/prints and textile fabrics.
69	141752	13-3-74	Uddeholms Aktiebolag, Hagfors, Sweden.	Apparatus and process for treating a molten metal with a gas/solid suspension.
70	141766	24-8-74	Kabel-Und Metallwerke Gutehoffnung- shutte Aktiengesellschat, of 3000 Hannover, Postfach 260, Vahrenwalder Strasse 271, West Germany.	Method and apparatus for producing copper plated steel wire and copper plated steel wire so obtained.
71	141811	14-5-74	Linode Aktiengesellschaft, Werksgruppe TVT Munichen, 8023 Hoellriegelskreuth, West Germany.	A process for the recovery of desire com- ponents observed during a physical scrub- bing process by the scrubbing liquid from a crude gas.
72	141839	27-3-74	C. A. Norgren & Co., 5400 South Delaware Street, Littleton, Colorado 80120, U.S.A.	Reclassifier for oil fog lubrication systems.
73	141846	16-11-74	Exxon Research and Engineering Co., at 1900 Linden Avenue, Linden, New Jersey, U.S.A.	Process for conversion of carbon mono oxide and steam to hydrogen and carbon-dioxide,
74	141868	20-9-74	Union Carbide Corporation, located at 270 Park Avenue, State of New York 10017, U.S.A.	Primary dry cells.
75	141886	6-3-74	Norsk Hydro A. S., Norway, of Bygdo Alle 2, Oslo 2, Norway.	Method and means for converting a liquid in the form of a melt or concentrated warm or hot solution into a mass or body of solidified independent prills.

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76	141896	8-8-74	Metaugesellschaft AG16FFA. M. Reuterweg, 14 West Germany.	Method of and apparatus for drying particulate minerals for agglomeration.
77	141910	6-2-74	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	A process for the production of carbonlers copying paper.
78	141915	9-5-74	Hoechst Aktiengesellschaft, vormaks Meister Lucios & Bruning, of 45, Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Process for preparing 5-OXO carboxylic and esters.
79	141968	26-9-74	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	A process for producing precast prestressed floor and roof elements using hollow clay blocks and concrete.
80	141977	5-6-74	Do.	Improvements in or relating to methods of strengthening soil by wick/Rope made of water, permeable material.
81	141980	18-4-75	Hitachi Ltd, 1-18, Kayabacho, Nihonbashi- Chuo ku, Tokyo, JAPAN	Process for producing novel penicillins & cephalosporins.
82	141990	30-4-75	Mitsui Toatsu Chemicals, Inc, 2-5, 3-chome, . Kasumigaseki, Chiyoda-ku, Tokyo, Japan.	Method of coloring of textiles and like materials with asymmetric thio indigold compounds.
83	142000	7-12-73	Sekisui Kaseihin Kogyo K. K. No. 1-25, Minamikyobate-cho, Nara-chi, nara, Japan.	Method for producing receptacles from thermoplastic resin from sheet.
84	142001	25-3-74	Siemens AG Berlin & Munich, West Germany.	An electrically conducting article and a method of producing the same.
85	142016	4-7-72	Council of Scientific and Industrial Research Rafi Marg, New Delhi.	Improvements in or relating to the produc- tion of sutered matrices used alkaline batte- ries.
86	142036	14-11-74	Do.	A process for the preparation of 2-2' dichlorohydrazo benzene from 2-2' dichloroazoxy benzene.
87	142086	21-4-75	Agrotechnika Zuolen Czechoslovakia.	Reactor for puricfication of water by fluid filtration.
88,	142096	27-2-74	V. M. Rao, P B No. 71438, Mount Road, Madras-600006, Tamil Nadu.	Process for the electrostatic precipitation of entrained particles and droplets from gas streams.
89	142132	7-2-75	Federal-Mogul Corporation, 26555, Northwestern Highway, Southfield, Michigan-48075 U.S.A.	Process for making sectionalised precision components.
90	142142	22 -9- 75	Council of Scientific Industrial Research, Rafi Marg, New Delhi.	A composition for the inhibition of steel in cooling water system.
91	142159	14-8-74	Siemens A G, Berlin & Munich, Germany.	A cross linkable composition.
92	142161	20-11-74	Metallgeschaft, A 16 Frankfurt, A M Ruterweg 14 West Germany.	Process of producing methanol.
93	142167	3-10-75	American Cynamid Company, New Jersey, U.S.A.	Manufacture of 1, 2-dimethyl 3-5 diphenyl pyrazolium methyl sulfate.
94	142172	16-6-76	The Century Spinning and Manufacturing Company limited of Century Bhavan, Dr. Annie Besant Road, Worli, Bombay-400025, Maharashtra.	A method of manufacturing aqueous printaing parts for use in pigment printing of textiles.
95	142176	10-1-75	Fisons Limited, of Fison House, 9 Grosvenor Street, London, England.	Process for producing ammonium phosphates.
96	142178	24-3-75	Ishihara Sangyo Kaisha Ltd, 11/1 Edoberi, 1, chone Nishiku Osaka, Japan.	Process for producing titanium tetrachlo- ride.

1	. 2	3	4	5
97	142190	29-1-75	Shell Internationale Research Maatschappij B, V., of Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process for the preparation of a gas containing hydrogen and carbon monoxide.
98	142191	17-5-75	Laboratories Andre Guerbet, of 16 Rue Jean-Chaptal, 93601, Aulnay-Sous-Bios, France.	Process for the preparation of new iodo- benzene derivatives.
99	142203	15-4-75	UOP, Inc., 10 UOP plaza Algonquin and Mt. Prospect Roads, Des—Plaines, Illinois, U.S.A.	A process for the catalytic hydrodesul- phursation of an asphaltene containing hydrocarbonaceous charge stock.
100	142214	25-6-74	Sherritt Gorden Mines Limited 2800 Com- merce Court West, Toronto, Ontario, Canada.	A process for recovering nicked in elemental form.
101	142232	1-5-74	CSIR Rafi Marg, New Delhi.	Improvements in or relating to the process of manufacture of methyl autramilate.
102	142233	6-9-75	Do.	Electrochemical preparation of benzylamine hydrochloride from benzanitrite.
103	142236	22-8-74	Mitsubishi Rayon Co. Ltd. No. 3-19 Kyobashi 2-Chome Chuo-Ku Tokyo, Japan.	A process for preaparing an impact resistant thermoplastic graft co-polymer.
104	142240	7-10-74	The Board of the Rubbor Research Institute of Malaysia 260 Jalan Ampang, P. O. Box 150 Kuala Lumpur Malaysia.	Treatment of rubber.
105	142242	27-11-74	Hoechst AG 6230 Frankfurt Main 80 FRG.	Modification of the process for preparing copper pthalayamine pigments of the modification.
106	142275	22-9-75	Nuchem Plastics Ltd. 20/6 Mathura Road Faridabad-121006.	A process for the manufacture of urea from aldehydde resins.
107	142291	4-6-74	The Board of the Rubber Research Institute of Malaysia 260 Jalan' Ampang, Kuala Lumpur Malaysia.	Treatment of nautral rubber.
108	142295	24-7-74	Hoechst AG 45 Brunings trasse Frankfurt Main, FRG.	Process for preparing reactive xanthene dyestuffs.
109	142296	24-7-74	Do.	Do.
110	142302	23-9-74	ICI Ltd. Imperial Chemical House, Mill Bank, London SWI England.	Electrolytic cells and its use in the manufacture of chlorine from brine.
111	142307	8-10 -7 5	Nuchem Plastics Ltd. 20/6 Mathura Road, Faridabad-121006.	A device for concentration of urea formal-dehyde resins,
112	142311	8-11-74	Hoechst AG 6230 Frankfurt Main 80, FRG.	Process and device for drying synthetic fibrous material.
113	142312	11-11-74	Dr. C. Otto & Comp GmbH Christstrasse, 9, Postfach 1849/1850 463 Bochum West Germany.	Flue gas collector main on regeneratively heated coke oven.
114	142326	5-12-74	Lubrizol Corpn Box 17100 Euchid Station Cleveland Ohio, 44117 USA.	Process for preparing phosphorus nitrogen and sulfo containing lubricant additives.
115	142330	19 -6-7 5	Shell Internationale Research Maatschap-, pij VBV Carel Van Bylandtlaaon 30, The Hague, The Netherlands.	Process and apparatus for the gasification of oils.
116	142340	27-7-74	Societe D'etudes De Machines Thermiques SEMT Quai De Scine 93202 Saint Denis France.	A method and means for pre-heating the intake air of a super charged low compression ratio diesel engine.
117	142348	8-1-76	CSIR Rafi Marg, New Delhi.	A process for the extraction of galleium from sodium aluminate liquors (Bayer Liquor) obtainable from alumina producing plants.

8	2	3	4	5
118	142351	27-11-75	Nuchem Plastics Ltd. 20/6 Mathura Road, Faridabad 121006.	A process for the preparation of poly carbonates.
119	142358	25-8-75	Momofuku Ando 7-34 Nasumieno Keda Osaka, Japan.	Process for producing instant cooking rice.
120	142360	30-9-75	ICI Ltd. Imperial Chemical House Mill bank London SW I, England.	Treatment of biologically degradable material.
121	142368	30-11-76	The Tata Iron & Steel Co. Ltd. Jamashed- pur Bihar India.	An improved method for the production of sponge iron and a rotary kily for producing the same.
122	142370	16-7-74	The Good year Tire & Rubber Co. 1144 East Market Street Akron, Ohio USA.	Method of preparing a polyurethane stock absorbing unit suitable for use in a car
123	142374	11-11-74	Otto India Pvt. Ltd. 9 Camac Stree, Calcutta- 17, West Bengal India.	Process and apparatus for removing ammonia from gases particularly from coke oven gases.
124	142380	31-3-74	ICI Ltd. IC House, Mill Bank, London SW I England.	A method and apparatus for solids liquid- separation.
125	142394	24-4-74	Dr. C. Otto & Comp GmbH Christstrass 9, Postfach 1849/1850, 463 Bochum West Germnay.	A process for removing gaseous ammonia hydrogen sulphide and hydrogen cyanide forming part of gas from coke plants and the like.
126	142396	27-8-74	Cincinnati Milacron Chemicals INC Reading, State of Ohio, USA.	Process for producing stabilized halogen containing polymers.
127	142417	24-4-74	Dr. C. Otto & Comp Christstrasse 9, Postfach 1849/1850 346 Bochum West Germany.	Process for the removal of ammonia hydro- gen sulphide and hydro cayamide acid from
128	142433	10-12-76	Edward Kopperlman 4424 Bergamo Drive, Encino California 91316 USA.	coke overgas. Process for up grading lignitre type coal as a fuel.
129	142436	31-3-75	Solvay & Cie 33, Rue de Prince Albert, B- 1050 Bruxelles, Belgium.	Process for the manufacture of salts of organic or inorganic bases add polyalpha hydroxy acrylic acids.
130	142437	27-5-75	Deutsche Gold UND RRG.	Procedure for manufacturing of 3-6 bis (2-methyl mercapto ethyl) 2-5 piperazindion.
131	142439	23-10-75	Mitsui Tsatsu Chem Inc. 2-5, Kasummi- guseki Chiyoda Ku, Tokyo Japan.	Process for recovering ammonia and carbon dioxide from water vapour generated in concentrating an aqueous urea solution.
132	142454	22-4-77	Union Carbide India Ltd. 1 Middleton Street, Calcutta-71, India.	Method for the production of activated manganese dioxide.
133	142466	13-8-74	Solvay & Cie 33, Rue de Prince Albert, B- 1050 Bruxelles Belgium.	Process for the low pressure polymerization of olefins in the presence of solid catalytic complexes.
134	142467	24-9-74	Sun Ventures Inc. 100 Matson Ford Radnor, Pennsylvania 19087 USA.	Catalytic ammoxidation process.
135	142468	24-9-74	Do.	Ammoxidation process for the preparation nitrites from m-and-p-xylene.
136	142469	30-10-74	Cluett Peaboy & Co INC 433 Rover Street, Troy, New York USA.	A method and apparatus for the recovery of ammonia from gas mixture,
137	142473	5-6-75	Snamprogetti S.P.A. 16 Corso Venezia Milan Italy.	Process for producing urea.
138	142482	18-7-74	Ceskoslovenska Akademie VED Praha, Czechoslovakia.	Method for preparation of emulsions con- centrated dispensions and pastes.
139	142488	10-3-75	Vereinigte Osterreichische Eisen-Und Stahlwerke Alpine Montan Aktiengesell- shaft 4010 Linz Austria.	Process and apparatus for purifying a stream of mechanically commuted material.

1	2	3	4	5
140	142492	5-11-75	Texaco Devl Corporation 135 East, 42nd Street, New York 10017 USA.	Process for producing gaseous mixtures comprising H ₂ & CO.
141	142507	18-8-75	Shell Internationale Research Maatscha ppij BV, Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Process for the production of hydrogen carbon monoxide and light hydro carbon containing gasos.
142	142509	1-10-75	Do.	Improvements relating to high pressure gasification.
143	142517	10-9-75	Nuchem Plastics Ltd. 20/6 Mathura Road, Faridabad-121006.	Process of producing a shaped article by compression moulding of urea formaldehyde or melamine formaldehyde moulding powders.
144	142518	1-8-75	Rhone Poulenc Industries 22 Avenue Montaigne 75, Paris (8th) France.	Microporous membranes and a method of obtaining them.
145	142533	27-1-75	Kabel Und Metalliwerke Gutehoffnungs Hutte Aktiengesellschaft 271, Vahrenwaider Strasse, Hannover, FRG.	Process and apparatus for the production of longitudinally seam welded metal tubes and the seam welded metal tubes so produced.
146	142549	21-7-74	Solvay & Cie 33, Rue de Prince Albert, B- 1050 Bruxelles, Belgium.	Process for manufacture of polylactones from β dichloropropionic acid and its derivatives.
147	142595	{20-11-74	Metallgesellschaft 16, Frankfurt AM Reuterweg West Germany.	Process of simultaneously producing methanol and methane.
148	142610	12-12-74	Norton Co. 1, New Bond Street, Worester, Statee of Massachusettes USA.	Process for preparing zinrconia aluminia abrasive gifts.
149	142611	15-1-76	Nuchem Plastics Ltd. 20/6, Mathura Road, Faridabad-121006.	A process for the preparation of trioxane.
150	142628	19-11-75	CSIR Rafi Marg, Now Delhi.	Improvements in or relating to electrolytic stripping of deffective nickel electrodeposites from copper or brass substances.

COMMERCIAL WORKING OF PATENTED INVENTION

LIST NO. VI

The following Patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under section 146(2) of the Patents Act, 1970 in respect of Calendar year 1981, generally on account of want of request for licence to work the patented inventions. Persons who are interested to work the said patents commercially may contact the patentees for the grant of licence for the purpose.

S. No.	Patent No.	Date of patent	Name and address of the patentee	Title of the invention
1	2	3	4	5
1	142629	1-11-74	Sun Tech, Inc 240, Radnorchester Road, St. Davids, Pennsylvania 19087 USA.	Process for the preparation of black copolymer of poly (dioxo amide) and polyamide.
2	142630	Do.	Do.	Do.
3	142631	Do.	Do.	A process for the preparation of black copolymer of poly (oxa-amide) and poly amide.
4	142632	Do.	Do.	A process for the preparation of black copolymer of poly (dioxa-arylamide) and polyamide.
5.	142634	14-1-75	Cincinnati Milacron Chemicals Inc. Reading, State of Ohio, USA.	Stabilizer composition containing dime- thyltin and esters.

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6	142657	30-10-75	UOP Inc 10 UOP Plaza, Algoquin & Mt. Prospect Roads, Des Plaines, Illinois, USA.	Improvements in a fluidized catalytic cracking process.
7	142666	16-7-74	Westinghouse Electric Corporation Westinghouse building, Gateway Center, Pittsburgh Pennsylvania USA.	High pressure laminate and method of making the same.
8	142672	13-1-75	Nitto Boseki Co Ltd. 1 Aza Higashi, Gona- ma, Tukushimashi, Japan.	Method and apparatus for manufacturing glass fibres.
9	142687	20-5-75	Rhone Poulenc Industries 22 Avenue Montaigne 75008 Paris, France.	A method of an apparatus for obtaining sodium blearbonate from an effluent containing sodium hydroxide
10	142694	16-1-75	Cincinnati Milacron Chemicals Inreading, State of Ohio USA.	Process for preparing an organotin halide mercaplide.
11	142695	19-1-76	CSIR Rafi Marg, New Dolhi.	Improvements in or relating to anodising aluminium and its alloys using alternating current in sulphuric and electrolyte,
12	142700	4-11-75	Haldor Topsoo A/S P. O. Box 49. DK-2860 Soborgn Denmark.	Process for preparing methane rich gases.
13	142711	9-4-75	ICI Ltd., ICH, Mill bank, London, SW1 P3J FGK.	A method of preparing a hard polymerised riesin composition.
14	142722	18-4-74	Globe Union Inc 5757 North Green Bay Avenue, Millwauke, USA.	A cermat resistor composition and cermet resistor having the same.
15	142727	22-8-74	Hoechst AG 45, Bruningstrasse, Frankfurt/ Main FRG.	Process for the preparation of new water soluble yellow reactive dyes.
16	142758	29-3-76	Wacker Chemie GmbH Brinzregenten- strasse 22, 8 Munchen 22, FRG.	Manufacture of organiosil axane and an alkyl halide.
17	142763	17-9-75	CSIR Rafi Marg, New Delhi,	A process for the recovery of vanadicum as sodium vanadate from bauxide residue (red mud).
18	142789	5-3-75	Do.	A process for the preparation of rigid polyurethane foam from cashew nut shelliquid.
19	142807	31-5-74	Union Carbide Corporation 270 Park Avenue, New York 10017 USA.	Process for making ethylene glycole and methanol.
20	142812	25-11-75	Nuchem Plastics Ltd. 20/6 Mathura Road, Faridabad-121006.	Process for the preparation of phenylhydro sina.
21	142815	18- 9-7 5	UOP Inc 10 UOP Plaza, Algonquin & Mt Prospect Road, Des Plaines, Illinois, USA.	A treating chamber and its use for the coating and impregnating and catalyst support method.
22	142825	2-9-74	Hoechst AG 6230 Frankfurt/Main, FRG.	Process for the preparation of water soluble monazo components.
23	142846	22-4-75	Snamprogetti SpA 16, Corso Venezia Milan, Italy.	Process for producing an improved catalytic material.
24	142853	3-9-75	UOP Inc 10 UOP Plaza, Algonquin & Mt Prospect Road, Des Plaines, Illinois, USA.	A process for the dehydrogen ation of hydrocarbons.
25	142881	22-1-75	Hocchst AG 6230 Frankfurt, Main, 80 FRG.	Process for the continuous dyeing of collu- lose fibres with reactive dyes tuffs.
26	142891	18-8-76	Ethicon Inc Samercille New Jersey, USA.	Surgical adhesive tape.
27	142895	8-11-74	CSIR Rafi Marg, New Delhi.	Process for the manufacture of the orthodomidine from or thamitro tolucne.
28	142923	15-10-75	Dø.	Improvements in or relating to process for printing/coating of rusted steel structure.

1	2		4	5
29	142936	7-6-76	Dr. C. Otto & Comp GmbH Christstrasse 9, Postfach 1849/1850 463 Bochum, West Germany.	A device for gasifying fuels in fine grain forms.
30	142938	28-2-76	CSIR Rafi Marg, New Delhi.	Improvements in or relating to the manufacture of 1U size aluminium oxide of electronic grade from aluminium foil
31	142944	10-9-75	Nuchem Plastics Ltd 20/6 Mathura Road, Faridabad-121006.	A process for the preparation of urea form- aldehyde or malamide formaldehyde mould- ing powders.
32	142955	14-4-75	CSIR Rasi Marg, New Dolhi.	Process for the manufacture of potassium silicate by ion exchange method.
33	142975	14-10-74	Rhone Progil SA 25 Quai Paul Doumer, 92408 Courbevoie France.	Process for the preparation of aluminium hydroxy chloride.
34	143034	8-4-76	Solvay & Cie 33, Ruc de Prince Albert, B- 1050 Bruxelles Belgium.	Process for the polymerisation of olefins.
35	143061	29-1-76	CSIR Rafi Marg, New Delhi.	A process for making prestressed concrete poles and portable column mould assemblics therefor.
36	143068	18-3-75	Sherritt Gordon Mines Ltd 2800 Commerce Court West, Toronto, Ontario, Canada.	Method and apparatus for the continuous condensation of a gaseous mixture of ammonia carbon dioxide and water vapour.
37	143087	3-3-74	Rhone Progil SA 25, Quai Paul Doumer, 92408 Courbevoie France.	A process for oxyhalog nation of hydro carbon and/or their derivatives.
38	143091	12-3-75	Dr. Co. Otto & Comp GmbH Christstrasse 9, Postfach 1849/1850 463 Bochum West Germany.	A method of removing vapour and aero- soles from gases produced during high temperature gasification and a plant for performing the method,
39	143095	31-5-75	Do.	Process for treating the gas main washing liquids arising in coke ovens.
40	143112	25-4-75	Hoechst AG 6230 Frankfurt, Main 80, FRG.	Process for preparing copper phthalocyamine pigments of the α modification.
41	143118	10-12-75	Arbrook Inc 2500 Arbrook Boulevard, Arlington Texas USA.	A disinfectant agent.
42	143123	8-8-74	USS Engineers & Consultants INc 600 Grant street, Pittsburgh, Pennsylvania, USA.	Method of making iron oxide pellets.
43	143126	17-10-74	Hoechst AG 6230 Frankfurt/Main, 80, FRG.	Process for preparing 1 amine benezene 5ß sulfate ethyl sulphone 2, 4 disulfonic acid, the 5-vinyl sulfone compound and alkali salts thereof.
44	143128	7-5-75	UOP INC 10 UOP Plaza Algonguin & Mt Prospect Roads, Des Plaines, Illinois, USA.	Hydro carbon donversion process.
45	143184	8-10-76	Shell Internationale Research Maatschappij BV Carel Van Bylandtlaan 30, The Hague The Netherlands	Proces for separation of dry particulate matter from a hot gas
46	143188	27-8-74	UCB SA 4, Chausse de Charleroi, Saint Gilles Lez Bruxelles; Belgium.	Method and apparatus for the continuous dehydration of maliic acid.
47	143191	17-10-74	Hosehst AG 6230 Frankfurt/Main 80, FRG.	Process for preparation of new water soluble azo dyestuffs
48	143192 [°]	22-10-74	Shell Internationale Research Maatschappij BV Carel Van Bylandtlaan 30, The Hague The Netherlands	A process for the preparation of silver catalystic for the production of ethylene oxide
49	143194	6-11-74	ICI Australia Ltd 1 Nicholson Street, Melbourne, Victoria 3001, Australia.	Process for the preparation of ion exchange resins beeds

1	2	3 .	4	5
50	143197	20-3-75	Hoechst AG 6230 Frankfurt/Main 80 FRG.	Coating composition,
51	143203	15-10-73	Anheuser Busch Inc 721 Pestalozzi street, St Louis, Missouri USA.	Process for the production of glucose isomerage.
52	143222	31-10-72	Deutsche Gold Und Silber Frankfurt, Main, FRG.	Gas phase catalytic process for the manufacture of cyanogen chloride from chlorine and hydrogen cyanide.
53	143233	23-7-74	Ciba Giegy AG 141, Basle, Switzerland.	Process for the manufacture of vat dyes.
54	143230	4-4-75	Sherritt Gordon Mines Ltd 2800 Commerce Court West, Toronto, Ontario, Canada.	Process for recovering metals from metal amines bearing ammonium salt solutions using ion exchange resins.
55	143234	12-1-76	Vulcan Cincinnati INC 2900 Varnon Place, Cinninnati, Ohio USA.	Process for making urea from ammonia and carbon dioxide.
56	143236	28-9-76	UOP Inc 10 UOP Plaza, Algoquin & Mt Prospect_Roads, Des Plaines, Illinois, USA.	Hydrogen fluoride alkylation process.
57	143246	26-6-76	Johnson & Johnson 501 George Street, New Brunswick, New Jersey, USA.	Process for producing adhesive tapes from thermo plastic elastomeric material
58	143255	3-9-74	Kamyr Incorporated Glens Falls, New York USA.	Process and apparatus for Producing gas from gas producing materials.
5 9	143258	12-10-76	Johnson & Johnson 501, George Street, New Brunwick, New Jersey, USA.	A conditioning and cleaning shampoo composition non imitating to eyes.
60	143262	9-3-76	Visvesvaraya Iron & Steel Ltd Bhadravati.	A method of production of ferro vanadium.
61	143264	28-8-74	Gould Inc 1110, Highway 110, Mendota Hights, Minnesota USA.	A method of making a lead acid storage battery, a method of treating the plates used in such a battery and the lead acid storage battery produced therefrom.
62	143266	21-2-75	SLM Maneklal Industries Ltd., Shafi Manzil, Ashram Road, City of Ahmedabad, Gujarat India.	A system for bleaching textile fabrics.
63	143269	23-8-75	Kureha Kagaku Kogyo Kabushiki Kaisha 1-8, Horidome-cho, Nihonbashi, Chuo-Ku Tokyo, Japan.	Caustic alkali producing multiple verticle diaphragms type electrolytic cell admitting of eacy assembly.
64	143271	13-8-74	Chiyoda Kako Kensetsu Kabushiki Kaisha 1580 Tsurumi-cho, Tsurumi-ku, Yokohama Kanagawa-Prefecture, Japan.	Continuous carbonisation and gasification of particulate coal with double recurcitation of fluidised particulate heat camer and apparatus thereof.
65	143274	29-3-75	Anic S.P.A. Via Mariano Stabile, 216, Palermo, Italy.	Process for the synthesis of substituted immdole mines
66	143277	15-10-75	Merck Patent GmbH Frankfurterstrasse, 250 FRG	Rutile containing lustrous pigments and process for producing the same
67	143287	22-4-75	Snamprogetti SPA 16 Corso Veneza Milan, Italy	Surface modifying of metal oxide catalysts
68	143288	25-7-75	Avtex Fibers Inc 580 East Swedesford Road, P. O. Box 880, Valley Forge, Pennsylvania 19482, USA	Process for improving the filteration characteristics neutrilized liquor from viscose process
69	143291	13-5-75	Shell Internationale Research Maatschappij BV Carel Van Bylandtlaan 30, The Hague The Netherlands	Apparatus for the gasification of finely divided fuels
70	143292	19-5-75	Snamprogetti S.P.A. 16 Corso Venezia, Milan Italy	Process for separating butadiene from C4 hydrocarbon streams

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71	143296	23-6-75	UOP Inc 10 UOP Plaza, Algoquin & Mt Prospect Roads Des Plaines, Illinois USA	Method of manufacture of hydrodisal furization catalyst
72	143299	4-12-76	ICI Ltd ICI House, Mill bank, London SWI England	Process for the manufacture of disluoro methyl-12, 2-trisuoro ethylether
73	143306	21-6-75	Roy E Irwin 1456 Lakeshore, Highway Cast, Oaksville Ontario, Canada	Improvements in apparatus for separating lower melting components from higher melting components of a wax composition
74	143315	18-3 -7 5	Hoechst AG 6230 Frankfurt, Main 80, FRG	Process for the preparation of new water soluble naphth ylmon azo pyrazolone dyestuffs
75	143324	7-4-76	CSIR Rafi Marg, New Delhi	Improvements in or relating to preparation of inhibitive pigments
76	143325	22-11-75	Wacker Chemitronic Gesellschaft Fur Electionik Grundstoffe MBH	Process for producing novel silicon crystals
77	143335	28-1-75	Hoechst AG 6230, Frankfurt/Main 80, FRG	Process for the preparation of pure cromatic o-hydroxy carboxylic acid
78	143341	17-9-75	Australian Fertilizers Ltd 213, Miller Street, North Sydney State of Victoria, New South Wales, Australia	Production of granular ammonium sulphate
79	143354	29-7-76	ICI Ltd ICI House, Mill Bank, London SWI England	Process for the manufacture of hydroxy-acides
80	143365	18-6-75	Hoechst AG 6230 Frankfurt, Main 80, FRG	Process for the preparation of water soluble manoazo compounds
81	143366	21-6-75	Otto Junker Etc 5107 Simmerth German Federal Republic	Procedure for casting specified qualities of molten metal and device for carrying out this procedure.
82	143374	24-10-75	Hoechst AG 6230, Frankfurt, Main 80, FRG	A process for the reactive dyeing and printing of fibrous materials containing hydroxy groups
83	143376	5-12-75	Metallgesellschaft AG 16 Frankfurt AM, Reutuerweg 14, West Germany	A method for production of heat by combustion of carbonaceous materials
84	143381	21-12-74	Personal Products Co Milltown, New Jersey, USA	Aldehydic polysaccharide dressing for absorbing body fluids
85	143388	9-6-75	Lubrizol Corporation P O Box 17100 Euchid Station, Clever and Ohio 44117 USA	A composition for causing swelling of seals
86	143391	11-11-74	Dr C. Otto & Comp GmbH Christstrasse 9, Postfach 1849/1850 463 Bochum, West Germany	Process for the isolation of crude benzol and naphth alene from the washing oil formed during the recovering of naphthalene and/or benzol from coke oven gas.
87	143406	16-10-75	Foster Wheeler Energy Corporation 10 South Orange Avenue, Livingston New Jersey USA	In a process for the production of synthesis gas by partial oxidation, amethod for the recovery of cureacted carbon and apparatus for the same.
88	143408	27-8-76	Hoechst AG 6230, Frankfurt Main 80, FRG	Electrolytic apparatus for the production of chlorine from aqueous from alkali metal chloride
89	143411	7-11-75	CSIR Rafi Marg, New Delhi	Improvements in or relating to process for anodic phosphating of steel substrates and electrolytic cell therefor,
90	143413	16-11-74	Davy Powergas Inc New Mulbery Highway, Lake Road, Florida USA	Method of manufacturing wet process phospheric acid
91	143419	13-4-77	Metallurgical & Engineering Consultants India Ltd Ranchi 834002 Bihar, India	Improved process and plant for treating audic wastes
			India Ltd Ranchi 834002 Bihar, India	audic wastes

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92	143423	1-5-74	E.I. Du Pott Wilmington Delwarare, USA	Hydrometallurgical process to recover copper from sulphide ore concentrate
93	143437	7-4-75	CSIR Rafi Marg, New Delhi	A process for the production of a galvanic anode based on commercially pure alumi- nium surrounded by a back fill which does not passivate aluminium
94	143438	15-1 -75	Anstalt Gemass Vaduz, Liechtenstein	A method for continuous hydrolysis of pentosane containing material and apparatus for implementing their method.
95	143457	2-1-75	Monsanto Co 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, USA	Process of producing styrene from toluene
96	143458	29-1-75	CSIR Rafi Marg, New Delhi	A new process for preparation of low iron aluminium sulphate from clay
97	143469	19 - 11-74	Do.	A process for the production of barium/calcium petroleum sulphonates useful as detergent dispersant additives for meteroils
98	143470	27-6-75	Goldshofe Anlagentechnik Kiener Gmbh	Process and apparatus for the production of combustible gas from waste materials
99	143477	19-4-75	Caterpillar Tractor Co 100 N. E. Adams Street, Peoria, Illinois 61629 USA	Method for manufacturing wear resistant alloy
100	143479	12-6-75	F. L. Smidth & Co. A/s. 77 Vigerslev Alle, DK 2500 Valby Copenhagen, Denmark.	Improvements relating to the calcination of pulverous materials and calcination plant for carrying out the same and as rotary kiln incorporating a calcination plant.
101	143501	2-5-75	Shell Internationale Research Maatschappij BV Carel Van Bylandtlaan The Hague, 30, The Netherlands	A process and apparatus for producing a fuel gas by partially combusting a fuel that contains ash and yields a hot product gas containing sicky particles
102	143503	19-8-75	Hoechst AG 6230, Frankfurt, Main, 30 FRG	Process for the preparation of easily dis- persible phthalocyanine pigments of the modification
103	143504	15-10-75	American Can Co American Lane, Greenwich, Connecticut 06830 USA	A method of drawing and ironing thin walled cylindrical articles from flat metal sheet
104	143521	3-11-76	Rhone Poulenc Industries 22, Avenue Montaigne, 75 Paris (8) France	Process for the Production of phosphoric acid
105	143534	20-3-76	Asathi Chemical Industry Co Ltd 25-1 Dooi Mahamadori 1-chome, Kutaku Osaka Japan	Method for producing accylo nitrile
106	143541	18-10-75	The Century Spinning & Manufac-Century Bhavan, Dr. Annie Besant Road, Worli, Bombay-25 Maharashtra, India	A process for preparing a printing paste for use in with reactive dyes for the use with reactive dyes for printing textile fabrics
107	143557	10-7-75	UCB SA 4, Chausse de Charleroi, Saint Gilles, lez Bruzelles, Belgium	Process for the preparation of maleic an- hydride from maleic acid
108	143558	15-7-75	Continental Carbon Co 4120 Smith west Free way, Houston Texas 77027 USA	Process for manufacturing oil furnace carbon blacks
109	143562	20-5-75	ICI Ltd ICI House, SW1 London England	Process diaphragms suitable for use in an electro chemical cell
110	143563	22-10-74	Shell Internationale Research Maatschappij BV Carel Van Bylandtlaan, 30, The Hague, The Netherlands	Process for the production of ethylene oxide

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111	143566	31-7-76	Bukkarayasamudram Lakshmi Narasimha Char Duvvuri Atchyutta Ramayya Gooty Azeemoddin and Sirdesai Thirumala Rao of Oil Technological Research Institute, Anantapur Andhra Pradesh India.	Improvements in ore relating to decorticating and degarming of groundnut pods.
112	143568	21-10-74	Sherritt Gordon Mines Ltd 2800 Commerce Court West, Toronto Ontanria Canada.	Process for extracting nickel from nickel ferrous laterite ore containing laminite and sepentine fractions.
113	143571	20-5-75	ICI Ltd ICI House, Mill bank, London SW 1 England	Electrochemical cells.
114	143598	15-10-75	Johnson & Johnson 501 George Street, New Brunswick New Jersey, USA	Surgical dressing.
115	143602	12-12-74	Lubrizol Corporation Box 17100 Euchid Station, Cleveland Ohio, 44117, USA.	Process for the preparation of hydroxy alkyl hydroxy aromatic condensation products.
116	143615	6-12-76	Bukkarayasamudram Lakshmi Narasımha Char Oil Technological Research Institute, Anantapur, Andhra Pradesh, India.	Process and apparatus for decorticating decutiching and degrading of ground nuts
117	143619	23-7-75	CSIR Rafi Marg, New Delhi	Improvements in or relating to the manufacturing of land zinconate titanate.
118	143637	22-11-74	National Research Development Corporatiou 66-74 Victoria Street, London London SW 1 E 6SL England	Hardonable sheet materials suitable of surgical splinting.
119	143649	15-9-76	CSIR Rafi Marg, New Delhi	A proces for the preparation of cholestera from the brain of goat/sheep and buffalo
120	143659	17-10-75	Do.	Improvements relating to preparation o pigments grad calcium chromate.
121	143660	13-2-75	Lubrizol Coporation Box 17100 Euchid Station, Cleveland, Ohio 44117 USA	A method for preparing an oil soluble nitrogen containing composition useful in lubricants and fuels.
122	143675	13-8-75	CSIR Rafi Marg, New Delhi	Improvements in or relating to a proces for the production of kerosene and diese oil from heavy stocks of petroleum employ ing alumina base catalyst.
123	143687	4-5-76	Do.	A new method for the production of maste alloy of aluminium magnesium,
124	143692	20-9-76	Do.	A process for the preparation of copper sulphate utilising waste sulphuric acid.
125	143695	6-4-76	Do.	Improvements in or relating to sintere porous metal electrodes containing silve catalysts foru seas oxygen electrodes i low temperature hydrogen oxygen fuel cel
126	143696	9-4-76	Do.	Improvements in or relating to sintere porous metal hydrogen electrodes for use i hydrogen oxygen fuel cell.
127	143710	14-6-76	Shell Internationale Research Maatschappij BV Carel Van Bylandtlaan 30, The Hague, The Netherlands	A process for the dedrogenation of hydrocarbon with acid of an iron containing catalyrt.
128	143729	5-5-76	F. L. Smith & Co. A/s 77 Vigerslev Alle, DK 2500 Valby Copenhagen, Denmark	A method of calcining pulverous or granu lar raw material and a kilu plant for th same.
129	143734	2-4-75	Hoechst AG 6230 Frankfurt, Main 80, FRG	Liquid aqueous dyeing preparation of reative dyestuffs.

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130	143739	5-1- 76	Shinetsu Chem Co 6-1 Otemachi-2-chome Chiyoda Ku, Tokyo, Japan	Method for the polymerisation of vinyl chloride momomers.
131	143741	17-3-76	Minnesota Mining and Manufacturing Co 3M Center, Saint Paul, Minnesota 55-101, USA	A method of curing polyamino phenol epoxy resin.
132	143743	5-8-76	CSIR Rafi Marg, New Delhi.	A method for the preparation of iron oxide chromium oxide catalyst by precipitation from homogeneous solution.
133	143746	18-7-75	Deere & Co John Deere Road, Mcline Illinois 60265 USA	Improved process for the production of cast modular iron.
134	143751	2-7-76	SCIR Rafi Marg, New Delhi	A process for the extraction of hexogenim from sisal juice and its subsequent conversion to its acctate.
135	143759	21-7-76	Do.	Process for the synthesis of 1-aryl, alkyl aralkyl/6-oxopryrimidines.
136	143760	22-7-76	Do.	Rotary photo print washer for use in photo graphic industry's.
137	143772	15-6-76	Do.	A process for the preparation of solid ammonium per sulfate.
138	143774	28-5-75	Hiroshi Tezuka 20-2, 1-chome Higashi, Shibuya-ku, Tokyo, Japan	An explosive slurry composition and a process for preparing the same.
139	143785	3-11-76	Rhone Poulenc Industrie 22 Avenue Montaigne, 75 Paris (8) France	Process and apparatus for removing impurities from gas.
140	143792	31-3-76	CSIR Rafl Marg, New Delhi	Improvements in or relating to a process for the preparation of 2: 4 xylenol and salts thereof.
1 41	143794	11-6-75	Mitsui Toatsu Chem Inc No. 25 Kasumigaseki 3 chome, Chiyo da ku Tokyo, Japan.	Improvements in chemical process and apparatus therefor.
142	143800	20-9-75	Metallgesellschaft AG Frankfurt A. M. Reuterweg 14, West Germany	Method of carrying out endothermic processes.
143	147802	31-5-75	Do.	Peocess of separating solid granular metal- lurgical product and their precursons an a plurality of linearly vibrating screen.
144	143803	18-3-77	Dr. Kurt Herberts & Co GmbH Otto Louis Herberts, D-5600 W uppertal 2, Chris- mausch 25 FRG	Process for the production of highly heat resistant insulating coating in electrical conductor.
145	143806	5-6-73	CSIR Rafi Marg, New Delhi	Improvements in or relating to process for the production of negative active material for pocket type and pressed mass type nickel cadmium cell.
146	143818	12-5-76	Do.	A process for preparing a new fine 'exiting- jushing material for extinction of fires in flamable liquids.
147	143822	14-8-75	Hoechst AG Frankfurt Main 80/FRG	Process for the prurification of crude polyhalo copper phthalocyanimes.
148	143839	29-5-75	Hindustan Lever Ltd Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	A process for the production of detergent composition and detergent composition so produced
149	143843	30-12-74	Fiscons Ltd Fiscon House, 9 Grosvenor street, London England	A process for producing a granular ammonium phosphate.
150	143844	14-3-75	Monsanto Co 800 North Lindbergh Boulevard, St Louis Missouri 63166 USA	Treated fiber and process for producing the same.

RENEWAL FEES PAID

CESSATION OF PATENTS

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RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 142212 dated the 3rd April, 1974 made by Produits Chimiques Ugine Kuhlmann on the 19th June, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 20th Oct., 1979 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 126195 dated the 13th January, 1971 made by Sarabhui Technological Development Syndicate Private Limited on the 1st December, 1982 and notified in the Gazette of India, Part III Section 2 dated the 12th March, 83 has been allowed and the said patent testored.

(3)

Notice is hereby given that an application for restoration Patent No. 104955 dated the 22nd April, 1966 made by Iames Gray on the 19th March, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 4th August, 1979 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No. 152673. Sobti Agro Industries, 805, R. Industrial Area-B, Ludhiana-141003 (Punjab), "Rotavator (an implement to plough land), January 13, 1983.
- Class 1. No. 152679. Shri Krishna Metal Works, a registered partnership firm of G-89, Sarvodayanagar 1st Panjrapole Lane, Bombay-400004, Maharashtra. "Container lid" lanuary 15, 1983.
- Class 1. No. 152706. Peico Electronics and Electricals Limited, Indian Company of Shivsagar Estate,

- Block 'A', Dr. Annie Besunt Road, Worli, Bombay (WB)-18, Maharashtra, registered office at 7, Justice Chandra Madhab Road, Calcutta-700020, W.B. "TBS-50 Light Fitting". January 22, 1983.
- Class 1. No. 152707. Peico Electronics and Electricals Limited, Indian Compuny of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay (WB)-18, Maharashtra, registered office at 7. Justice Chandra Madhab Road, Calcutta-700020, W.B. "Mirror for TBS-50 Light Fitting". January 22, 1983.
- Class 1. No. 152964. Matchless Industries, Proprietary firm, 70, Mustiwara, Meetut (UP), India, "Nail Cutters". April 4, 1983.
- Class 1. No. 152991. Makarand Ramktishna Churi, Thakur Building, 2nd floor, Kashinath Dhuru Road, Dadar Bombay-400028, Maharashtra, India, a subject of the Republic of India. "Idli making plate". April 13, 1983.
- Class 1. No. 152992. Jayant Ramakrishna Churi, Thakur Building, 2nd floor, Kashinath Dhuru Road, Dadar Bombay-400028, Maharashtra, India, a subject of the Republic of India. "Idli making plate". April 13, 1983.
- Class 3. No. 152626. Jetking Electronics of 350, Lamington Road, Near Lamington Road Police Station, Bombay-400007, Maharashtra, an Indian Partnership Firm, "Stereo Amplifier". December 28, 1982.
- Class 3. No. 152683. Metal Box p.l.c., a British Company of Queens House, Forbury Road, Reading, Berkshire, RGI 3JH, Fngland. "Pad for dispensing a cleaning fluid". January 18, 1983.
- Class 3. No. 152898. Arvind Plastic Industries, Indian Partnership Concern of 17, Ganko Industrial Estate, 2nd floor, Room No. 17, Ramchandra Lane, Malad (West), Bombay-400064, Maharashtra. "Jug". March 17, 1983.
- Class 3. No. 152899. Konsumex Kulkereskedelmi Vallalah of Hungaria Krt. 162, H-1441 Budapest, Hungary. a Hungarian foreign trade company. 'Spatial Logical'.' March 17, 1983.
- Class 3. No. 153072. Vacuum Forming Company of 3/21, Prabhadevi Industrial Estate, 402, Cadell Road, Bombay-400025, Maharashtra, an Indian Partnershin Firm. 'Wall and Ceiling Panels''. May 7, 1983.
- Class 3. No. 153073. Vacuum Forming Company of 3/21,
 Prabhadevi Industrial Estate, 402, Cadell Road,
 Bombay-400025, Maharashtra, an Indian Partnershin Firm. 'Wall and Ceiling Panels'. May 7,
 1983.
- Class 3. No. 153081. Kishor Premjibhai Dedhia, an Indian National of Raji Building, B-Wing, Block No. 37, Ratilal Bechardas Mehta Road, Ghatkopar-400077, Bombay, Maharashtra, India, "Soda water machines". May 11, 1983.
- Class 3. No. 153145. Bright Brothers Limited, an Indian Company, 156A, J. Dadajee Road, Bombay-400034, Maharashtra, India "Crates". June 1, 1983
- Class 3. No. 153232. Kemp & Company Limited, Klphin House, 88C Old Prabhadevi Raod. Bombay-400025, Maharashtra, India. "Toy". July 4,
- Class 3. No. 153234. Kemp & Company Limited, Elphin House. 88C Old Prabhadevi Road, Bombay-400025, Maharashtra, India, "Musical Toy". July 4, 1983.
- Class 4. No. 152896. Mysore Sugandhi Dhoop Factory Pvt.
 Ltd., Commercial Chambers, Junction of Mohemadali and Yusuf Meherali Road, Bombay400003, Maharashtra, "Tray for burning incense".
 March 17, 1983.

- Class 4. No. 153067, Gupta Traders of 10286, Library Road, Delhi, a proprietory firm. "Bottles". May 5, 1983.
- Class 5. No. 152976. Dev Rattan Nagpaul and Ashok Kapur of 5/9, West Patel Nagar, New Delhi, Indians. "Cartons". April 7, 1983.
- Class 12. No. 152897. Mysore Sugandhi Dhoop Factory Pvt. Ltd., Commercial Chambers, Junction of Mohemadali and Yusuf Meherali Road, Bombay-(Burning)". 400003, Maharashtra. "Incense March 17, 1983.
- COPYRIGHT EXTENDED FOR THE SECOND PERIOD OF FIVE YEARS

No. 151450.—Class 1. Nos. 152133, 152735, 152736, 147336.—Class 3.

No. 147362-Class 4.

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No. 151450.—Class 1.

Nos. 152133, 152735, 147336.—Class 3.

No. 147362.—Class 4.

K. V. SWAMINATHAN, Controller General of Patents, Designs and Trade Marks